

4.13. Various Locations and Extension of Fire Protection Systems

4.13.1. Various locations in a building shall be protected with Automatic Sprinkler Systems as per **Table 9.29**. The building sprinkler system shall be extended to comply with requirements of **Table 9.29**.

Table 9.29.: Various Locations and Extension of Fire Protection Systems

LOCATION/ HAZARD	SYSTEM REQUIREMENTS
A. ATRIUMS	<ul style="list-style-type: none"> i. Atriums should be provided with automatic sprinkler system as per Section 3.5. ii. Sprinkler heads should be installed immediately adjacent to atrium opening. And non-combustible material draft stops of 450 mm deep shall be provided.
B. BALCONIES	<ul style="list-style-type: none"> i. Exterior balconies shall be provided with automatic sprinkler system as per Section 3.5. ii. Sidewall Sprinkler heads or pendent sprinklers shall be installed at exterior balconies of such buildings where sprinkler protection is required. iii. Balcony sprinkler coverage shall not exceed 12 m² per sprinkler head. iv. Sprinkler temperature rating shall be 79°C.
C. RAIN SCREEN/ GLAZING	<ul style="list-style-type: none"> i. Glazing of the building envelope shall be protected with sprinkler system as per Section 3.5. ii. Sprinkler protection shall be from the interior of the building by extending sprinkler system on ceiling with window type pendent or on walls with window type side wall sprinklers, installed such that discharge pattern covers the interior of the glazing to provide draft curtain effect.
D. STAIRS	<ul style="list-style-type: none"> i. The stair top (Top of the shaft) and first accessible landing above the bottom of the shaft shall be provided with sprinkler system as per Section 3.5.
E. ELEVATOR SHAFT	<ul style="list-style-type: none"> i. The sidewall spray sprinklers in accordance with Section 3.5, shall be installed at the bottom of each elevator hoistway (shaft) not more than 600 mm above the floor of the pit.
F. ABOVE FALSE CEILING	<ul style="list-style-type: none"> i. Sprinklers shall not be required. However, compartmentation and fire stop-ping shall be considered at regular intervals. ii. In bathrooms above false ceiling spaces where heaters are installed, such above false ceiling spaces shall be protected with sprinklers as per Section 3.5.
G. BATHROOMS	<ul style="list-style-type: none"> i. In bathrooms above false ceiling spaces where heaters are installed, such above false ceiling spaces shall be protected with sprinklers as per Section 3.5. ii. Public washrooms and bathrooms shall be provided with a sprinkler system as per Section 3.5. iii. Residential, Hotel and Apartment washrooms and bathrooms shall not require sprinkler protection.
H. LAUNDRY/ STORAGE	<ul style="list-style-type: none"> i. Laundry and storage rooms of residential buildings, residential apartment buildings and hotel apartment buildings shall be provided with sprinkler system as per Section 3.5.
I. PANTRIES	<ul style="list-style-type: none"> i. Pantries in business occupancies and commercial buildings shall be provided with a sprinkler system as per Section 3.5.
J. STAGES	<ul style="list-style-type: none"> i. Permanent stages in assembly occupancies shall be installed with a sprinkler system under the stages, dressing rooms, store rooms and workshops, in accordance with Section 3.5.