

4.14. Auxiliary Rooms and Selection of Fire Protection Systems

Table 9.30.: Auxiliary Rooms Fire Protection Systems

LOCATION / HAZARD	SYSTEM REQUIREMENTS
H. MAIN ELECTRICAL ROOMS	<ul style="list-style-type: none"> i. Clean agent system shall be provided as per Section 3.14. ii. Electrical rooms which are less than 10 m² in area OR are located on typical floors shall not be required to be protected. However, such typical floor electrical rooms shall be 1 hour fire rated enclosures and shall be limited to distribution boards and junction boxes and fully compliant to penetration fire stopping. iii. Electrical rooms which are separated as part of separated service blocks and detached from the predominant occupancy, by a separation distance of 3 m, shall not be required to be protected.
I. AHU ROOMS	<ul style="list-style-type: none"> i. An automatic sprinkler system shall be provided as per Section 3.5.
J. LV ROOMS AND MV ROOMS	<ul style="list-style-type: none"> i. Clean agent system shall be provided as per Section 3.14. Where louvers are provided for LV rooms protected with clean agent system, louvers shall be motorized and closed upon clean agent discharge to maintain room tightness. ii. Rooms which are separated as part of separated service blocks and detached from the predominant occupancy, by a separation distance of 3 m, shall not be required to be protected. iii. Rooms which are less than 10 m² in area OR are located on typical floors shall not be required to be protected. However, such typical floor or podium floor rooms shall be 1 hour fire rated enclosures and shall be limited to distribution boards and junction boxes and fully compliant to penetration fire stopping.
K. TRANSFORMER ROOMS OWNED BY POWER UTILITY COMPANIES, ENCLOSED AND SITUATED IN LOCATIONS OTHER THAN SUBSTATIONS	<ul style="list-style-type: none"> i. None, unless power utility company specifies. ii. Where specified and required, A clean agent system shall be provided as per Section 3.14. OR iii. Deluge Water Spray system shall be provided in accordance with Section 3.8. OR iv. Water Mist system shall be provided in accordance with Section 3.10.
L. TRANSFORMER ROOMS NOT OWNED BY POWER UTILITY COMPANIES, ENCLOSED AND SITUATED IN LOCATIONS OTHER THAN SUBSTATIONS	<ul style="list-style-type: none"> i. A clean agent system shall be provided as per Section 3.14. OR ii. Deluge Water Spray system shall be provided in accordance with Section 3.8. OR iii. Water Mist system shall be provided in accordance with Section 3.10. OR iv. Transformer Rooms shall be 2 hour fire rated enclosures with 90 minutes fire doors or 90 minutes fire rated motorized louvers, housing exclusively dry type electrical equipment and no other storage. v. Private enclosed transformer rooms which are separated as part of separated service blocks and detached from the predominant occupancy, by a separation distance of 3 m, shall not be required to be protected.