

Title: Battery cabinet placement regulations

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What are the safety requirements related to batteries & Battery rooms?

Employers must consider exposure to these hazards when developing safe work practices and selecting personal protective equipment (PPE). That is where Article 320, Safety Requirements Related to Batteries and Battery Rooms comes in.

What are the requirements for a battery location?

Battery locations shall conform to 480.9 (A),(B),and (C). (A) Ventilation. Provisions appropriate to the battery technology shall be made for sufficient diffusion and ventilation of gases from the battery,if present,to prevent the accumulation of an explosive mixture. (B) Live Parts. Guarding of live parts shall comply with 110.27.

Do you need documentation before entering a battery room?

It is a requirement to have all the documentation in place prior to authorized personnel entering a battery room to perform a specific work task on a battery system under normal operating conditions. However,it is likely the employee will need to enter the battery room to deal with a battery system that is not operating normally.

How much space do you need for a battery system?

Spaces about battery systems shall comply with 110.26. Working space shall be measured from the edge of the battery cabinet,racks,or trays. For battery racks,there shall be a minimum clearance of 25 mm(1 in.) between a cell container and any wall or structure on the side not requiring access for maintenance.

Article 320 reiterates that the employer must provide safety-related work practices and employee training. The employee must follow ...

Batteries of the unsealed type shall be located in enclosures with outside vents or in well ventilated rooms and shall be arranged so as to prevent the escape of fumes, gases, or ...

Each box for a small battery installation must have openings near the top to allow escape of gas. If the installation is in a non-environmentally-controlled location, the installation must prevent ...

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