

Underground generator room exhaust

Where should exhaust air be sourced for a generator?

For generators with remote radiators, it is recommended that the exhaust air should be sourced as high as possible and directly above the generator sets. Significant bypass of ventilation airflow directly into the discharge airflow will lead to reduction in cooling effectiveness and elevated temperatures within the room.

How do you design a generator room?

The ventilation system and overall layout of a generator room should be examined in detail during the design process. While a generator set is specified by the electrical engineer, the onus is on the mechanical engineer for an optimum design that maximizes the performance, longevity, and reliability of the genset.

What should a generator room look like?

The generator room should be clean, dry, well-lit, well-ventilated. Care must be taken to ensure heat, smoke, oil vapor, engine exhaust fumes, and other emissions do not enter into the room. Insulating materials used in the room should be of the non-flammable/flame retardant class.

Does a bunker have a generator room?

Generator rooms are available with any bunker. A generator room offers sound protection from noisy generators, as well as it allows the generator to be properly ventilated from the rest of your bunker. [Bunker Media 3D Camera Bunker Walk-throughs](#) [Bunker Videos](#) [Photo Gallery](#) [Our Floor Plans](#) [Bunkers and Bomb Shelters](#) | [Pricing and Floor Plans](#)

How does a gen set exhaust system work?

A gen set exhaust system must collect gases from engine cylinders and discharge them as quickly and silently as possible. It must minimize back pressure, which can cause horsepower losses and temperature increases that can shorten the engine's life. Several factors impact the exhaust system performance.

What makes a good generator room?

A well-designed generator room will ensure that: Recirculation and bypass airflow is minimized; noise and vibration within and outside the building complies with code requirements, and ancillary components external to the generator set operate reliably.

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