

Design Assessment

Objective

The primary objective of this proposed project is to expand the existing aspirator fan duct system. By doing so, we aim to significantly improve ventilation within the facility, effectively reduce the odor problem, and ensure compliance with environmental regulations.

Components Used

The following components have been utilized in the project:

1. **Duct Type Silencer:** This component is used to reduce noise produced by the airflow in the ducts, contributing to a quieter operation of the ventilation system.
2. **Exhaust Fan:** An essential part of the system, the exhaust fan helps in removing stale air from the facility, thereby aiding in odor control.
3. **Supply Air Duct:** This component is responsible for delivering fresh air throughout the facility, improving the overall air quality.
4. **Filter:** The filter plays a crucial role in purifying the air by trapping airborne particles, thus contributing to a cleaner and healthier environment.

Expected Outcome

With the implementation of this project, we anticipate a substantial improvement in the facility's ventilation, leading to an effective reduction in the odor problem. Furthermore, this project is designed to adhere to all necessary technical and regulatory standards, ensuring environmental compliance

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