

Scope of Work

Design, supply, installation, and commissioning of a fire alarm system for the Operation Area of G-Store-1 facility, ensuring integration with the existing fire alarm system of the entire G-Store-1 facility.

-A complete fire alarm system, along with the operation of life safety systems, will be incorporated. The system will include intelligent microprocessor control with field-programmable software

-Each initiation device shall have its own address to identify the exact location of the fire alarm. - Visual fire alarm system in full compliance with the ADA act shall be provided.

STAGE 1

Existing fire alarm detectors in the operational area of G-Store 1 (Grids 1 to 10) must be deactivated and removed before the installation of a radiant barrier under the roof, fastened to the bottom of the roof purlins. A contractor site visit is required before commencing the works.

STAGE 2

Upon completing the radiant barrier installation and confirmation of area readiness from the client, the contractor shall install Fire Alarm system elements as per the approved design.



Picture 1. Existing fire alarm detectors (G-Store -1)

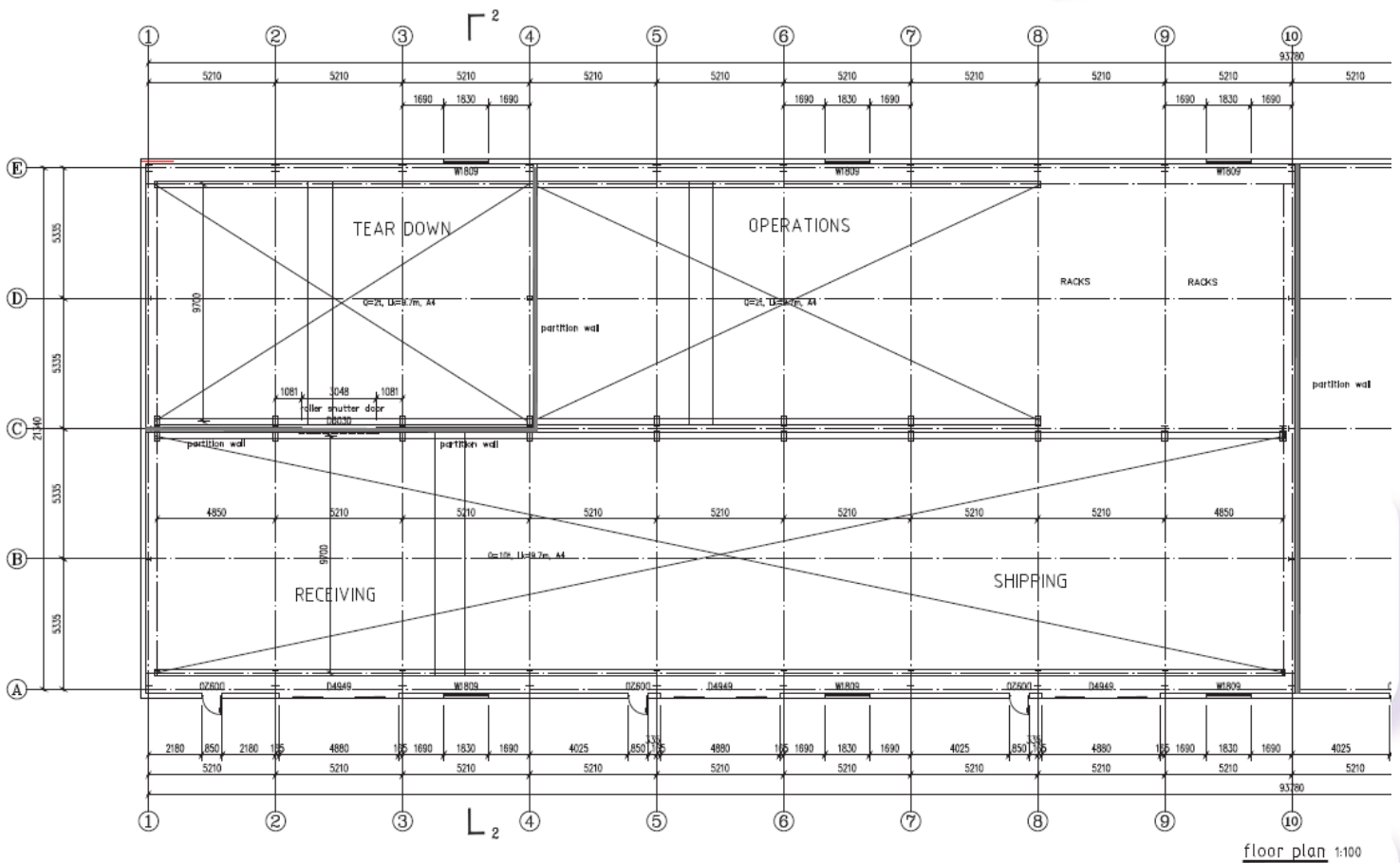
Deliverables:

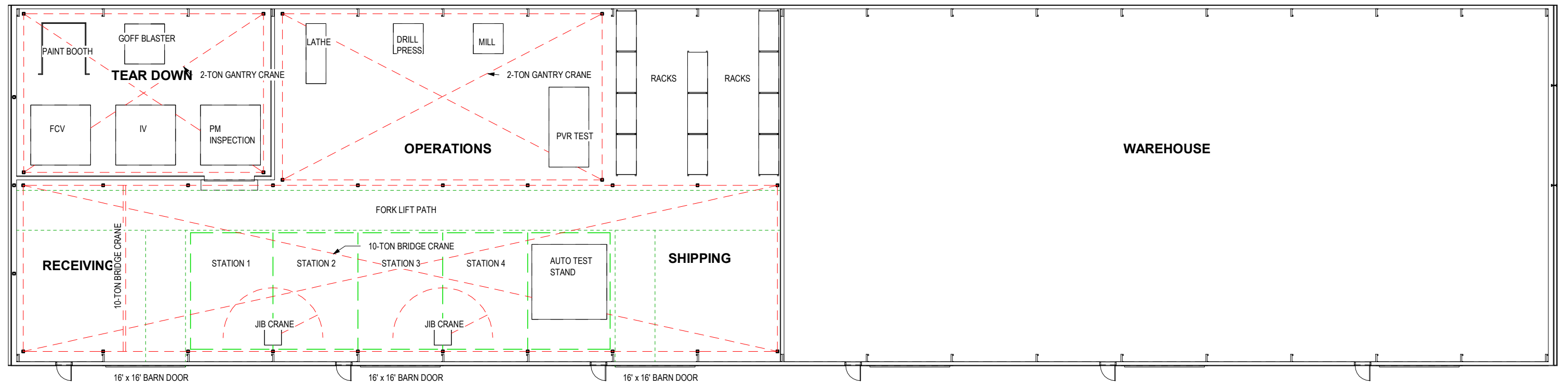
- Fire Alarm System Design (Detailed design drawings for the fire alarm system layout)
- Bill of Materials (BOM): List of all materials and equipment required for the project
- As-Built Package: As-built drawings reflecting the final installation.
- Technical Specifications for Materials and Equipment & Operation Manuals: (Operation manuals for the fire alarm system and its components, guidelines for maintenance and troubleshooting of the system).

The fire alarm system needs to be designed considering the upgrade works to be carried out inside the facility as outlined below:

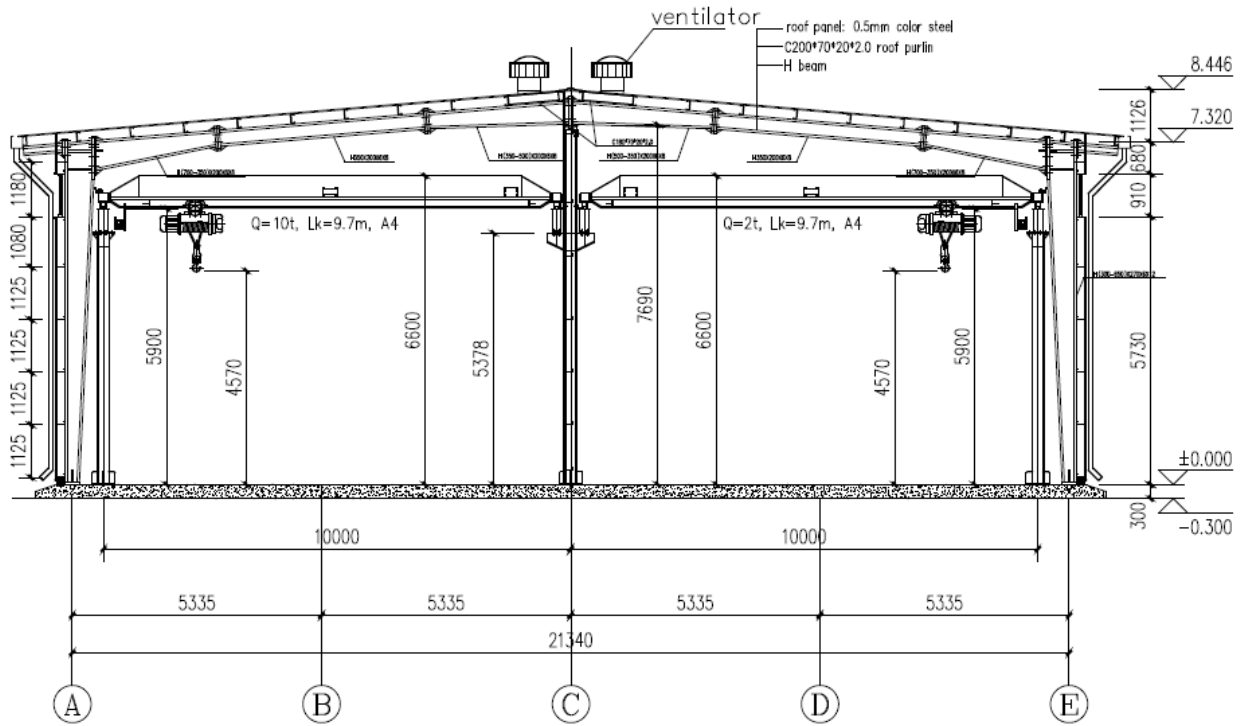
A full-height partition wall will be installed along Grid #10, dividing the G-Store-1 facility into two separate areas: Operations Area covering grids 1 to 10 and Warehouse covering grids 10 to 19.

The Tear-Down Area will include full-height partition walls installed along Axis C from Grids 1 to 4 and along Grid 4 from Axis E to C, featuring an overhead door with a 3-meter-high opening on the west side between Grids 2 and 4.

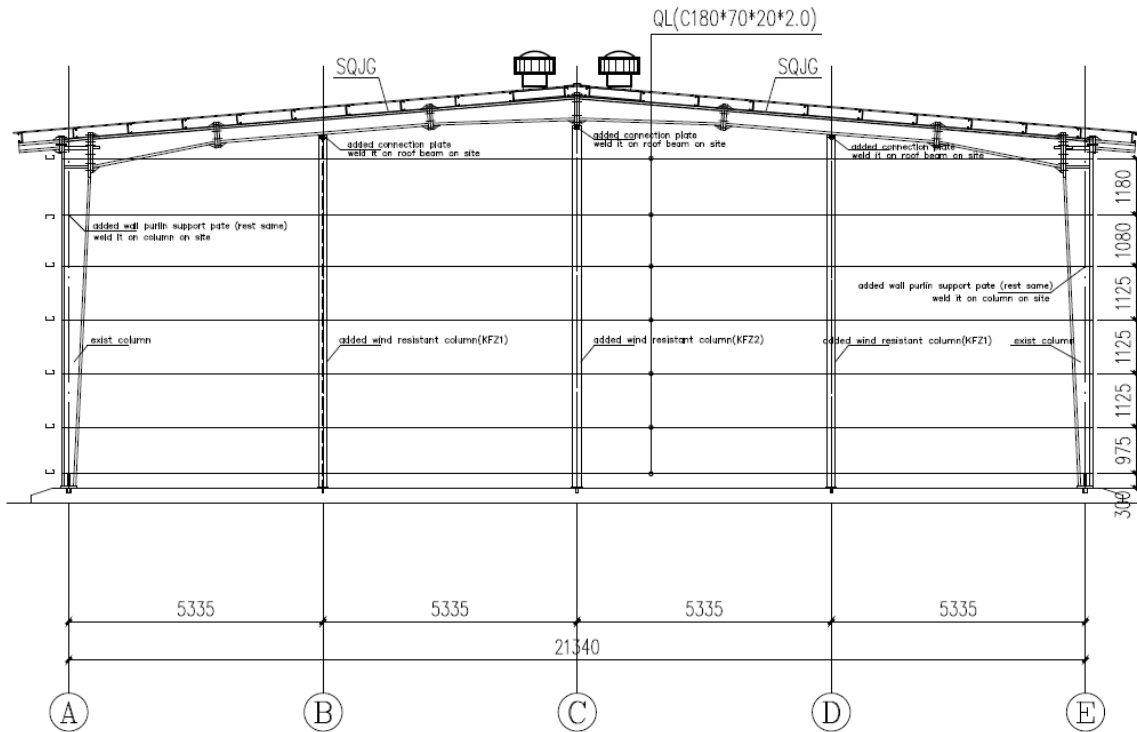




CROSS-SECTIONS



2-2 section



10 axis wall purlin plan