Samir Darwish

Fire Protection Engineer

fire-protection-engineer@example.test · Abu Dhabi, UAE

Design and verification

Six occupied floors — Reviewed a phased refurbishment and identified interruptions that needed a separate review.

38 commissioning points — Mapped integrated tests to the issued fire-alarm and building-services interfaces.

14 interface issues — Tracked design and installation differences to documented disposition before witness testing.

Summary

Fire protection engineer coordinating designs and commissioning evidence for occupied developments. Reviews system interfaces, documents assumptions and supports submission to the responsible reviewers. Experienced in resolving disagreements between drawings, fire-alarm matrices and package tests without masking outstanding decisions.

Experience

Senior Fire Protection Engineer

Safewater Design Partners | 2021-07 – Present

- Reviewed six occupied floors for a staged refurbishment. Assessed fire-alarm, access-control and smoke-control interfaces against issued layouts. Highlighted any interface that needed the lead designer or authority reviewer to determine the final approach.
- Built a record for 38 commissioning points. Linked each test to the alarm cause-and-effect entry, drawing revision and witness role. Retained the full sequence when trades preferred to test in isolation.
- Closed design coordination on 14 interface issues by tracing differences to drawings or equipment schedules. Split required changes from proposals needing approval and verified the updates in the responsible package.
- Compared hydraulic model assumptions with contractor submittals before review. Recorded the source of design inputs and submitted exceptions for assessment where installation details had changed.

Fire Systems Design Engineer

Redmere Building Engineering | 2016-08 – 2021-06

- Produced layout and equipment coordination drawings from the issued design basis. Reviewed ceiling clashes with the mechanical team and issued clear queries where coverage or access could be affected.
- Tracked review comments from concept through shop-drawing release. Linked each accepted change with the revised drawing and retained the unresolved decisions for the next design review.
- Prepared a commissioning evidence index with the package engineers. Cross-checked equipment locations in the site record before assigning any open-test action.

Education

BEng Mechanical Engineering

Al Marjan Institute of Engineering | 2016

Skills

Fire protection design review · System interface coordination · Hydraulic modelling · Commissioning evidence · Drawing control

Languages

Arabic · English