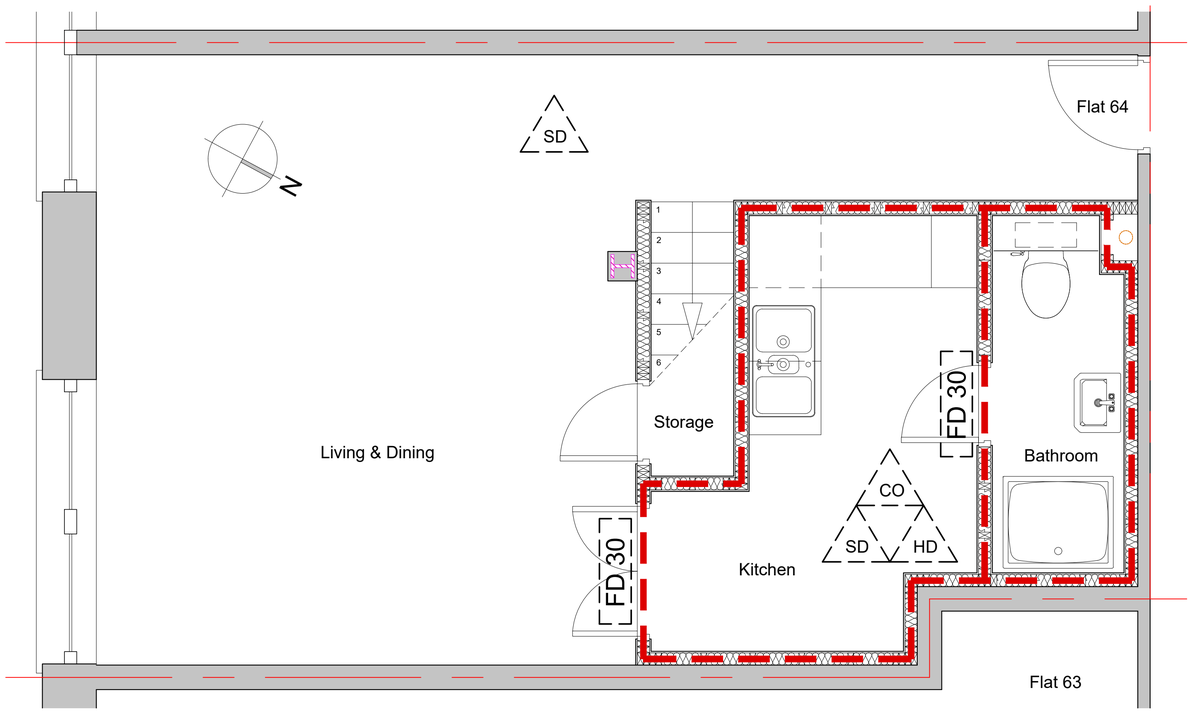
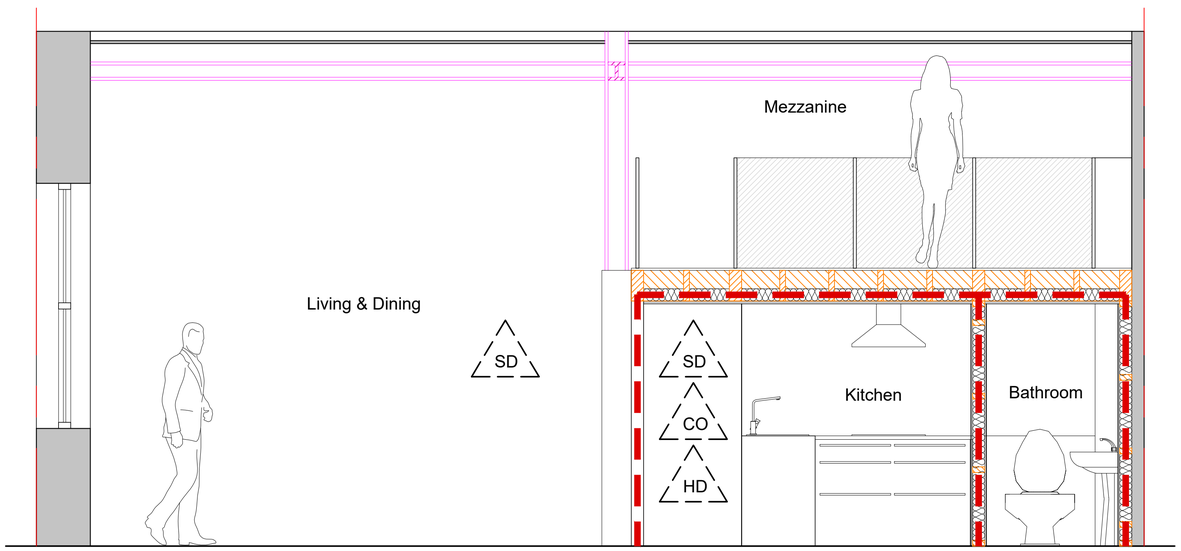


Proposed Fire Strategy and Acoustic floor Plan - 1:25



Proposed Fire Strategy and Acoustic Elevation - 1:25

TYPICAL CONSTRUCTION

The use of Knauf Insulation Flexible Slab in a suspended timber floor achieves 30 minutes fire resistance.

To achieve 30 minutes fire resistance:

The floor deck should be minimum 18mm thick tongued and grooved chipboard or timber boarding

The joists must be minimum 200mm deep and 37mm wide

The wire mesh should be stapled to the sides of the joists at least 40mm above the ceiling level

FIRE PERFORMANCE

Knauf Insulation Flexible Slab is classified as Euroclass A1 to BS EN 13501- 1 and non-combustible to BS 476: Part 4: 1970 (1984), and Class 1 Surface Spread of Flame to BS 476: Part 7: 1997.

ACOUSTIC

The acoustic performance of an internal floor containing 100mm of Flexible Slab (and 12.50mm standard plasterboard ceiling) will be at least 40dB and therefore, meet the requirements of Approved Document E of the Building Regulations.

Underside of internal floors to be afforded FR30 fire protection.

INTERNAL WALLS

Unless stated otherwise to be 100 x 47mm timber studwork @ 400mm c/c with noggins @ 900mm c/c. Cavity is filled with 100mm thick acoustic mineral wool and both sides to be faced with 12.5mm plasterboard and 3mm skim finish which will providing FR30 fire protection and will be at least 40dB acoustic performance.

Fire Strategy - Key

SD — Smoke Detector

HD — Heat Detector Fitted in Kitchen

CO — Carbon Monoxide Detector

FD 30 — Fire door - 30min. Fire Protection with smoke seal

30 mins fire protection

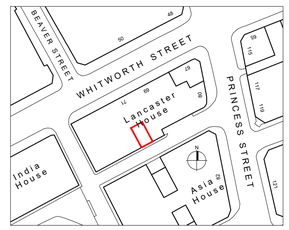
All dimensions are to be checked on site, any discrepancies are to be reported to the Architect before work commences. Do not scale from this drawing.

This drawing is to be read in conjunction with all relevant consultants and specialists drawings / documents, any discrepancies are to be reported to the Architect before the affected work commences.

All structural components shown are indicative only. Details / calculations of structural members are to be provided by the Structural Engineer.

This drawing is copyright.

A	First Issue	28/02/2024



Location Plan @ 1:1250

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Drawing Title:
Proposed Fire Strategy Plan & Elevation

Scale: 1:25 & 1:1250 @ A1

Date: February 2024

Drawing No: KT005

Revision: **A**