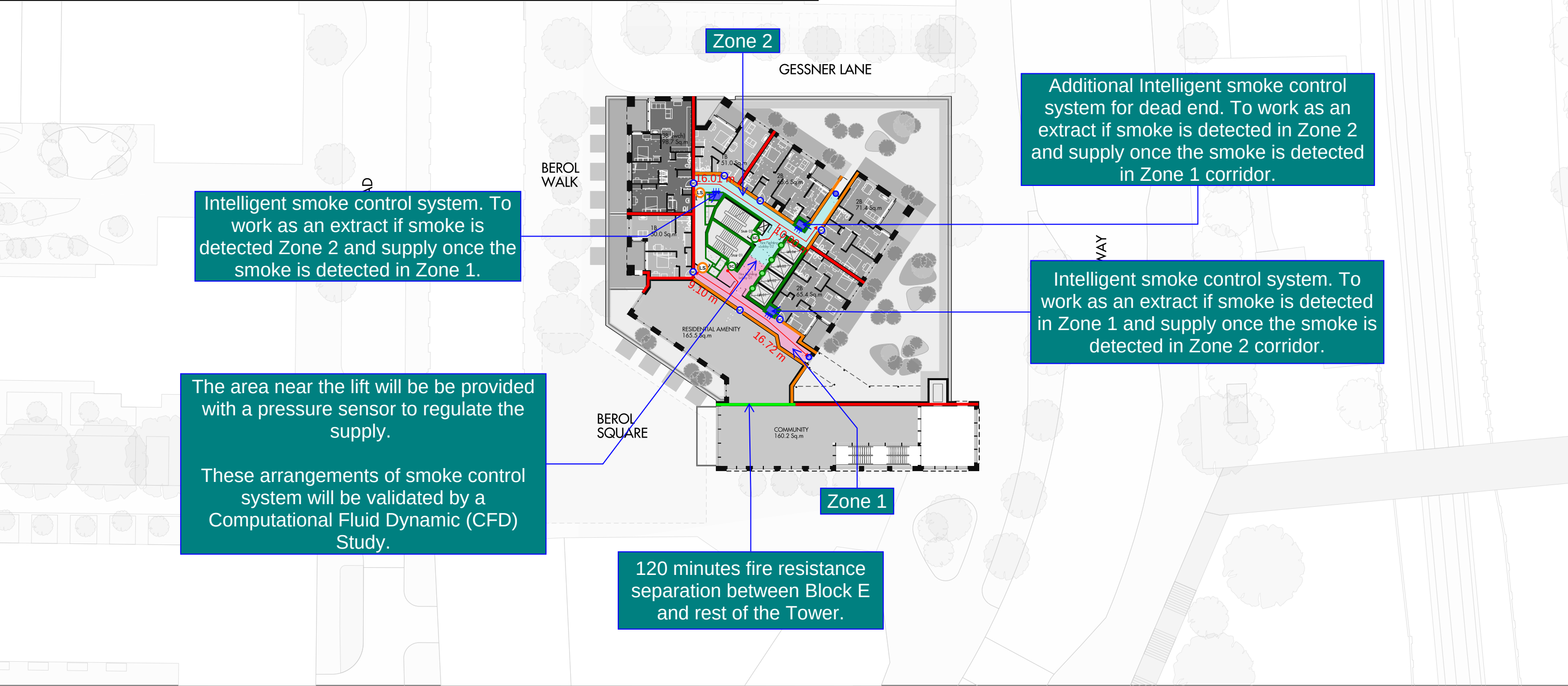


ANNOTATION	DESCRIPTION
	240 Minutes Fire Resistant Construction for UKPN room
	120 Minutes Fire Resistant Construction for Fire Fighting Shaft /Lift Shaft
	60 Minutes Fire Resistant Construction separating the units
	60 Minutes Fire Resistant Construction for Corridor
SC	FD 60 S Fire Door (Smoke Seal) + Self Closure for Stair Enclosure and FF Shaft
	FD 30 Fire Door for Lift Enclosure
SC	FD 30 S Fire Door (Smoke Seal) + Self Closer
LS	FD 60 Fire Door + Kept Locked Shut for Riser door
	FD 30 Fire Door + Self Closer

As indicated below the corridor will be interconnected and will however be divided into zones without any physical partition or doors. The south corridor highlighted in pink will be Zone 1 whereas the north corridor highlighted in blue will be Zone 2. An intelligent mechanical smoke control system will be used within the corridor i.e., once the smoke is detected in zone 1, the shaft in this zone will serve as an extract whilst the shaft in zone 2 will provide makeup/supply air. Similarly, once the smoke is detected in zone 2, the shaft in this zone will serve as an extract whilst the shaft in zone 1 will provide makeup/supply air. The area near the lift will be provided with a pressure sensor to regulate the supply and to limit the pressure differential. .



Intelligent smoke control system. To work as an extract if smoke is detected Zone 2 and supply once the smoke is detected in Zone 1.

Additional Intelligent smoke control system for dead end. To work as an extract if smoke is detected in Zone 2 and supply once the smoke is detected in Zone 1 corridor.

Intelligent smoke control system. To work as an extract if smoke is detected in Zone 1 and supply once the smoke is detected in Zone 2 corridor.

The area near the lift will be provided with a pressure sensor to regulate the supply.
These arrangements of smoke control system will be validated by a Computational Fluid Dynamic (CFD) Study.

120 minutes fire resistance separation between Block E and rest of the Tower.

REV	DATE	DESCRIPTION	CHK	REV	DATE	DESCRIPTION	CHK
P1	29.08.2022	FOR INFORMATION	ADJ				
P2	28.07.2022	FOR INFORMATION	YH				
P3	02.09.2022	FOR INFORMATION	JD				
P4	16.09.2022	FOR INFORMATION	HG				
P5	10.10.2022	FOR INFORMATION	HG				
P6	24.10.2022	FOR INFORMATION	HG				

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2 BEROL YARD
TYPICAL FLOOR PLAN - LEVEL 01
GENERAL ARRANGEMENT
22049_06_101
SCALE 1:250 @A1 1:500 @A3

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