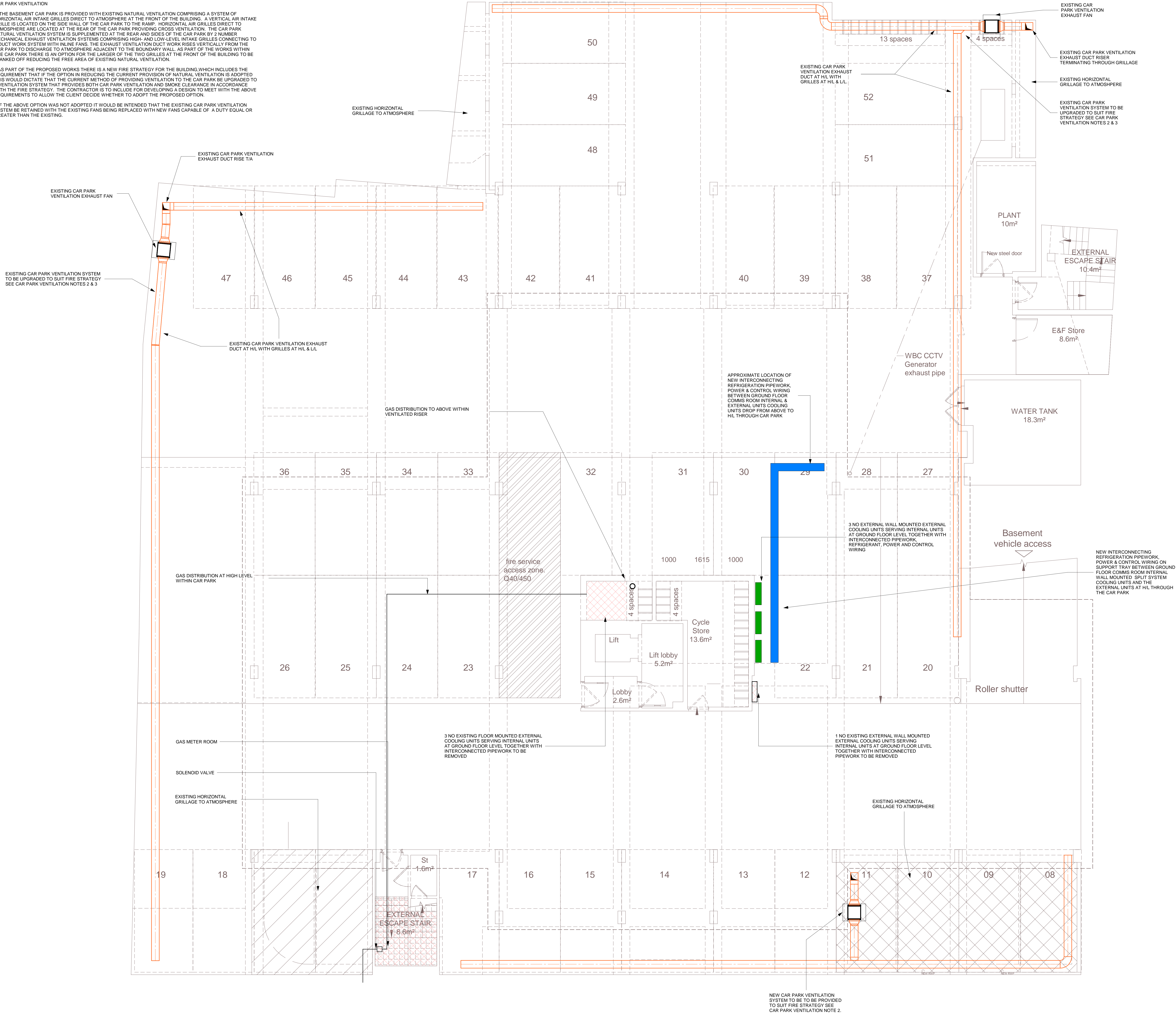


CAR PARK VENTILATION

1 THE BASEMENT CAR PARK IS PROVIDED WITH EXISTING NATURAL VENTILATION COMPRISING A SYSTEM OF HORIZONTAL AIR INTAKE GRILLES DIRECT TO ATMOSPHERE AT THE FRONT OF THE BUILDING. A VERTICAL AIR INTAKE GRILLE IS LOCATED ON THE SIDE WALL OF THE CAR PARK TO THE RAMP. HORIZONTAL AIR GRILLES DIRECT TO ATMOSPHERE ARE LOCATED AT THE REAR OF THE CAR PARK PROVIDING CROSS VENTILATION. THE CAR PARK NATURAL VENTILATION SYSTEM IS SUPPLEMENTED AT THE REAR AND SIDES OF THE CAR PARK BY 2 NUMBER MECHANICAL EXHAUST VENTILATION SYSTEMS COMPRISING HIGH- AND LOW-LEVEL INTAKE GRILLES CONNECTING TO A DUCT WORK SYSTEM WITH INLINE FANS. THE EXHAUST VENTILATION DUCT WORK RISES VERTICALLY FROM THE CAR PARK TO DISCHARGE TO ATMOSPHERE ADJACENT TO THE BOUNDARY WALL AS PART OF THE WORKS WITHIN THE CAR PARK THERE IS AN OPTION FOR THE LARGER OF THE TWO GRILLES AT THE FRONT OF THE BUILDING TO BE BLANKED OFF REDUCING THE FREE AREA OF EXISTING NATURAL VENTILATION.

2 AS PART OF THE PROPOSED WORKS THERE IS A NEW FIRE STRATEGY FOR THE BUILDING, WHICH INCLUDES THE REQUIREMENT THAT IF THE OPTION IN REDUCING THE CURRENT PROVISION OF NATURAL VENTILATION IS ADOPTED THIS WOULD DICTATE THAT THE CURRENT METHOD OF PROVIDING VENTILATION TO THE CAR PARK BE UPGRADED TO A VENTILATION SYSTEM THAT PROVIDES BOTH CAR PARK VENTILATION AND SMOKE CLEARANCE IN ACCORDANCE WITH THE FIRE STRATEGY. THE CONTRACTOR IS TO INCLUDE FOR DEVELOPING A DESIGN TO MEET WITH THE ABOVE REQUIREMENTS TO ALLOW THE CLIENT DECIDE WHETHER TO ADOPT THE PROPOSED OPTION.

3 IF THE ABOVE OPTION WAS NOT ADOPTED IT WOULD BE INTENDED THAT THE EXISTING CAR PARK VENTILATION SYSTEM BE RETAINED WITH THE EXISTING FANS BEING REPLACED WITH NEW FANS CAPABLE OF A DUTY EQUAL OR GREATER THAN THE EXISTING.



- Notes
1. THIS DRAWING SHALL NOT BE SCALED
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DOCUMENTATION INCLUDED IN THE MEP SPECIFICATION AND DRAWINGS.
 3. ANY DISCREPANCIES BETWEEN THIS AND OTHER DOCUMENTATION MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM FOR CLARIFICATION.
 4. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING THE DESIGN FROM RIBA STAGE 3 TO MEET THE DESIGN INTENT INDICATED AND FOR DEVELOPING ALL DETAILS REQUIRED FOR THE FULL SERVICES INSTALLATION TO BE INSTALLED.
 5. THIS DRAWING SHALL NOT BE RELIED UPON FOR CONSTRUCTION.
 6. THE CONTRACTOR SHALL ALSO REFER TO THE PROJECT CDM INFORMATION FOR FURTHER DETAILS ABOUT RISKS AND RESIDUAL RISKS.
 7. THE MEP SYSTEMS SHALL COMPLY WITH THE RELEVANT STANDARDS DESCRIBED IN THE SPECIFICATION.
 8. IN ACCORDANCE WITH BSRIA B06:2018, THE MEP SERVICES DISTRIBUTION WITHIN THE REVIT MODEL AND SHOWN ON THIS DRAWING SHOW THE APPROXIMATE LOCATIONS OF HORIZONTAL (AND VERTICAL) SERVICES RUNS AND SHOWS MAIN DISTRIBUTION, PARTICULARLY THOSE AFFECTING SPATIAL ALLOCATION.
 9. THE SERVICE DISTRIBUTION INDICATED IS BASED UPON LIMITED EXISTING BUILDING INFORMATION AND VISUAL INSPECTIONS ONLY. THE CONTRACTOR IS TO UNDERTAKE A FULLY SURVEY AS DESCRIBED WITHIN THE SPECIFICATION TO VALIDATE THE DISTRIBUTION.

Rev.	Date	Description	Drawn/Checked/Approved
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