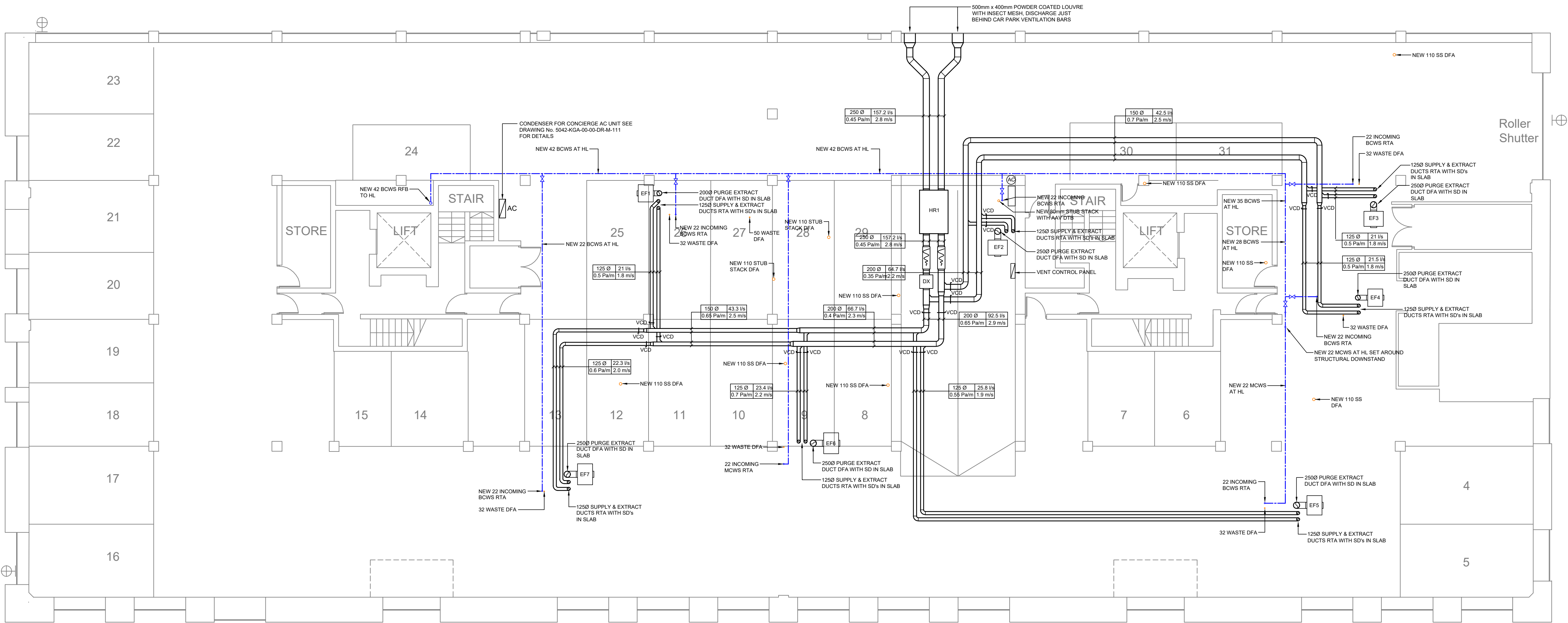




Basement - Level -1

Scale: 1:100 @A1

- LTHW HEATING PIPEWORK TO BE REMOVED
- GAS PIPEWORK TO BE REMOVED
- MAINS/BOOSTED COLD WATER PIPEWORK TO REMAIN
- ABOVE GROUND DRAINAGE PIPEWORK TO REMAIN
- SPRINKLER PIPEWORK TO REMAIN

- SVP - SOIL AND VENT PIPE
- SS - STUB STACK
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
- DTLL - DROP TO LOW LEVEL
- RTA - RISE TO ABOVE
- RFB - RISE FROM BELOW
- HL - HIGH LEVEL
- MCWS - MAIN COLD WATER SERVICE
- BCWS - BOOSTED COLD WATER SERVICE
- LPWH - LOW PRESSURE HOT WATER
- SD - SMOKE DAMPER

NOTES:

- ALL NEW AND EXISTING MAINS AND BOOSTED COLD WATER TO BE TRACE HEATED FOR FROST PROTECTION.
- ALL NEW AND EXISTING MAINS AND BOOSTED COLD WATER SERVICES TO BE INSULATED WITH PHENOLIC FOAM INSULATION WITH CLASS O ALUMINIUM FOIL VAPOUR BARRIER WITH ALL JOINTS TAPED AND FINISHED WITH ALUMINIUM PROTECTION CLADDING.
- ALL NEW SUPPLY AND EXTRACT DUCTING WITHIN CAR PARK TO BE INSULATED WITH 20mm THICK KINGSPAN KOOLTHERM DUCT INSULATION WITH CLASS O ALUMINIUM FOIL VAPOUR BARRIER WITH ALL JOINTS TAPED AND FINISHED WITH ALUMINIUM PROTECTION CLADDING.

PIPE DIAMETER	INSULATION THICKNESS
22	30
28	20
35	15
42	15
54	15
67	15
76	15

PURGE EXTRACT FAN REF EF1

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE2, DUTY 88 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
696mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 25 Kg
230 V, 1 PHASE 50Hz, SC 0.75 A, RC 0.75 A

PURGE EXTRACT FAN REF EF2

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE4, DUTY 182 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
780mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 30 Kg
230 V, 1 PHASE 50Hz, SC 1.4 A, RC 1.4 A

PURGE EXTRACT FAN REF EF3

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE4, DUTY 162 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
780mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 30 Kg
230 V, 1 PHASE 50Hz, SC 1.4 A, RC 1.4 A

PURGE EXTRACT FAN REF EF4

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE4H, DUTY 199 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
696mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 25 Kg
230 V, 1 PHASE 50Hz, SC 0.75 A, RC 0.75 A

PURGE EXTRACT FAN REF EF5

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE4H, DUTY 225 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
696mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 25 Kg
230 V, 1 PHASE 50Hz, SC 0.75 A, RC 0.75 A

PURGE EXTRACT FAN REF EF6

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE4H, DUTY 200 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
780mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 30 Kg
230 V, 1 PHASE 50Hz, SC 1.4 A, RC 1.4 A

PURGE EXTRACT FAN REF EF7

NUAIRE 'DAVE' IN-LINE EXTRACT FAN REF DE4H, DUTY 203 l/s OPERATED VIA REMOTE TIME SWITCH, COMPLETE WITH INSECT MESH ON OUTLET SPIGOT
840mm WIDE x 605mm LONG x 370mm HIGH, WEIGHT 35 Kg
230 V, 1 PHASE 50Hz, SC 1.35 A, RC 1.35 A

HEAT RECOVERY UNIT REF HR1

NUAIRE 'XBOXER' REF XBC25 HEAT RECOVERY UNIT, DUTY 157.2 l/s CONTINUOUS OPERATION, COMPLETE WITH IN-LINE ATTENUATORS AND EXTERNAL DX HEATING/COOLING COIL
1150mm WIDE x 1700mm LONG x 340mm HIGH, WEIGHT 235 Kg
230 V, 1 PHASE 50Hz, SC 6.4 A, RC 6.4 A

AC CONDENSER REF AC

MITSUBISHI DX CONDENSER MATCHED TO DX COIL

Notes :

R2 R1	20.03.22 02.10.20	Services altered to suit new apartment layouts Services altered to suit new ground floor layout above
Revision	Date	Description
Project -		
The Guinness Partnership India House Manchester		
Title -		
Proposed Basement Level -1 Mechanical Services		
Scale: 1:100 @ A1		
Design by - LJ		
Date - 01/08/19		
Cad by - LJ		
Drawing No. -		Revision -
5042-KGA-00-B1-DR-M-101		R2

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