



GENERAL EXTRACT DUCT RUNS 28m DOWN CORRIDOR THEN TURNS UP TO ATMOSPHERE

AC CONTROLS

600 x 600 FIRE RATED KE DUCT 28m FROM EXISTING DOOR TO UNIT, TURNING AND GOING THROUGH WALL 500mm

Ø315 DIRTY EXTRACT FAN

Ø200 DIRTY EXTRACT FROM BELOW, WITH FIRE DAMPER IN FLOOR

MEZZANINE

HVAC PANEL

FILTER BOX AT LOW LEVEL (1200 x 600 x 300)

SUPPLY FAN AT FLOOR LEVEL (900 x 900 x 900)

600 x 500 SUPPLY AT LEVEL FROM TOP OF FAN

600 x 500 SUPPLY TO BELOW

New full height wall

KITCHEN EXTRACT FAN AT LOW LEVEL (900 x 900 x 900)

2 No. ESP 3000 (DOUBLE STACKED)

2 No. UVO-1000 (DOUBLE STACKED)

500 x 700 KE DUCT FROM BELOW

Ø630 SUPPLY INTAKE DUCT AT HIGH LEVEL

SHOPFRONT LOUVRE 1800 x 800



- General notes:
- Positions of all equipment, ductwork and fittings are indicative only.
 - Contractors shall confirm the sequence of installation works to ensure safe access is maintained.
 - Attention is drawn to health & safety issues. Liaise with the main contractor to ensure that installation works are programmed to respect H&S rules and working co-ordination.
 - All dimensions / duct sizes are in millimetres unless otherwise stated.
 - This drawing was produced using CAD and should not be amended by hand.
 - All dimensions shown are for reference and should be checked on site prior to commencement of work.
- Specific notes:
- This drawing should be read in conjunction with all architectural, structural and drawings from other services (incl. mechanical, catering, electrical, sprinklers) along with correct documentation and specification for the works.
 - Ensure all method statements, sign offs and approvals are in place before proceeding with any work.
 - All works to be carried out in accordance with the current British Standards, B.S. Codes of practice and building regulations.
 - The HVAC services works shall be carried out in full accordance with the client specification and code, together with any London technical guide and specifications.
 - Ductwork shall be installed in accordance with all current industry standard guidelines / regulations.
 - Galvanised ductwork to be manufactured to DW144.
 - Ductwork sized in accordance with all current industry standard guidelines / regulations. Duct dimensions shown on drawing are duct internal dimensions (not including flanges and fittings).
 - Access doors required on kitchen extract duct every 1500mm for cleaning and before / after every change of direction & should be accessible at all locations via ceiling access panels or grilles / ceiling etc. Access panels to be provided to main contractor in any ceiling voids where that requirements indicated by HVAC installation contractor.
 - Duct connections with fans and other equipment to be a manufactured canvas connection to prevent duct leakage / noise and transmission of vibrations.
 - Volume control dampers shall be installed on all branch legs and diffuser / grille terminals to facilitate commissioning.
 - Supply and secondary fan coil unit ductwork to be fully insulated.
 - Final air intake and exhaust locations are shown indicatively on these drawings. The exact positions shall be agreed with the client, architect and the main contractor and shall be shown accordingly on the working / coordinated drawings.
 - Position of all grilles / air valves shown are the optimum positions for all flow. The grille to be positioned as close as possible to location shown and coordinated with other services and fabric constraints.
 - Fire dampers are to be shown on ductwork (excluding kitchen extract ducts) penetrating fire compartment divisions and shall incorporate certified fire dampers to match the faner rating, together with access panel. Reference to be made to architect fire strategy drawing to establish locations. Fire dampers are shown indicatively on these drawings.
 - All transfer grilles and ductwork where fire rated, shall match the fire rating of the wall in which it is installed.
 - Attenuation and anti-vibration measures shall be incorporated on all plant and ductwork supports in full accordance with acoustic consultant's specification.
 - Access required to all plant equipment for maintenance and cleaning.
 - Refer to catering specialist layout to determine confirmed canopy size and location.
 - Condensate drain from AC condensers to be run to the nearest waste connection or to rooftop drain. Condensate drains from the FCU's to be run to the nearest drain (storm), subject to manufacturer and their requirements. Both shall be the equivalent plastic or copper pipe.
 - Install all mechanical equipment in accordance with manufacturers guidelines.
 - Catering condensers are not CIVL equipment. However, they are indicatively shown on CIVL drawings to allow for predicted space and access within the HVAC plant area.
 - Locations of all required floor, wall and roof openings shall be co-ordinated with all other trades involved.
 - No other loads (other services or man loadings) shall be hung from ductwork supports.

B	11-07-24	PR	UV's and controls added.
A	10-07-24	PR	Revised KE and general extracts leaving unit.

No.	Date	Rev. By	Revision Description
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Project:

WINGSTOP
UXBRIDGE

Drawing Title:
HVAC LAYOUT

GROUND FLOOR &
MEZZANINE

Drawing No.:	Rev:
001-1251-01	B

Scale: 1:50 @ A1 1:100 @ A3

Drawn By: PR

Date: 09/07/24

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