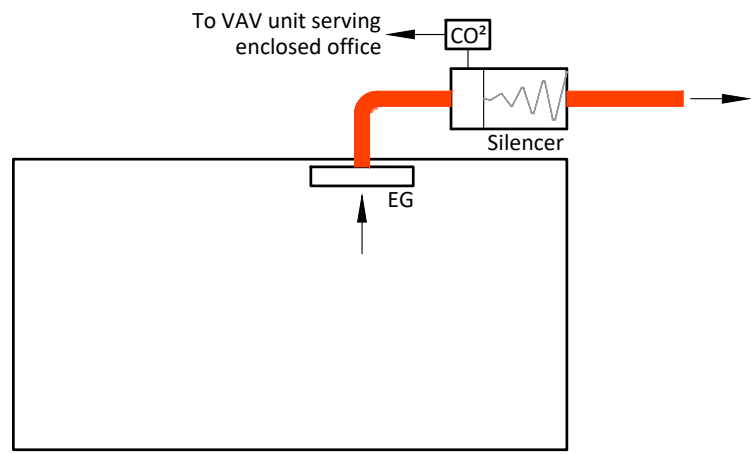




Typical Detail Of Extract Return Leg From Enclosed Office Spaces (N.T.S.)

Existing redundant ductwork within riser to be stripped out and replaced with extract leg to serve 57 Spring Gardens with connection onto existing extract penetration within wall via plenum box and FD. MSI to allow provisional sum allowance within specification for unknown works associated with this item. Full access required - further review by MSI/Engineer required on capacity of existing supply ducts against provisional volumes stated below i.e.; second floor fresh air supply to 57SG provisionally based on 87 people at 12 l/s/person = 1044 l/s. Extract rate based on supply x 85% = 880 l/s.

Full access required to riser supply ductwork so that ductwork can be accessed for actual sizes and review can take place on volumes detailed above.

Toilet Supply & Extract ducts and refuse supply and extract ducts in riser FB offset to roof level as indicated.

600x350 Kitchen extract and 600x300mm kitchen supply make up ducts for future F&B FA and TB. Access panels for cleaning to be provided within extract duct at each level and in accordance with DW144, DW172 and TR19. Access required to ducts within riser at each level.

1000x350 Smoke Extract Duct FA & TB.

General Supply & Extract Ducts: FA/ TA Refer to vent schematic for riser sizes

350Ø Supply & Extract Ducts FA Serving Shower/Changing Area.

VRF Exposed ceiling mounted fan coil units within office spaces.

WC S&E FA to HL to run in office alcove space to WC riser.

New 400 x 200mm S&E ducts drop to 2nd floor H/L in riser.

300 x 200 E FA and 400x200 TA

300Ø F&B Supply duct route at 3rd floor H/L around dome

New S&E ducts connect to existing retained ducts. New fire dampers required on existing ductwork and new ductwork where passing through compartment walls.

Existing (400 x 300mm) ducts retained in position

200mm S&E ducts FA / TA

400x200 F&B Supply duct drops within riser to H/L ground floor

LEGEND:

- Fan Coil Unit
- Supply Air Diffuser
- Extract Air Diffuser
- General Extract Ductwork
- General Supply Ductwork
- Smoke Extract Ductwork
- Secondary Ductwork
- Indicates Fire Compartmentation
- Smoke Extract Actuated Damper Supply Makeup Route
- Smoke Extract Actuated Damper
- Volume Control Damper
- Motorised Smoke/Fire Damper

Do not scale from this drawing.
Verify dimensions by site measurement.
Read this drawing in conjunction with the latest architectural and structural drawings.

This drawing is based on the following information:-

Notes

- This drawing to be read in conjunction with all mechanical, electrical & public health drawings for this contract.
- All services work to be carried out in accordance with the relevant Engineering Specification for this contract.
- All existing Mechanical Services installations shall be isolated, disconnected and stripped out throughout the entire building unless stated otherwise. All stripped out materials to be disposed of in accordance with WEEE regulations.

05	09/09/22	CAT B Contractor Issue WC vent reviewed	SH	SH
04	12/08/22	CAT B Issue For Planning.	MR	SH
03	20/05/22	Stage 4 Tender Update.	MR	SH
02	29/04/22	Stage 4 Tender Issue.	MR	SH
01	31/03/22	Stage 3 Issue.	RG	SH
Revision	Date	Description	Drawn	Checked



hilsonmoran.com info@hilsonmoran.com

Client

Bruntwood

Project

38-42 Mosley Street
Grade 2* Listed Building Refurbishment

Drawing Title

Mechanical Services
Third Floor
Ventilation Layout

Scale	Sheet Size	Checked	Approved
1:100	A1	SH	SR
Status	HM Project No.		
FOR INFORMATION	27618		
Drawing No.	Rev		
27618-HM-ZZ-03-DR-MS-2204	05		