



Detail 1 - Typical Coordinated Section - Level 2

Notes:

- This drawing is to be read in conjunction with all relevant architectural, structural, building services and infrastructure engineering drawings and specifications.
- The MEP services drawings should not be scaled and all dimensional setting out of furniture fittings and equipment shall be taken from the architectural drawings.
- The complete services installation shall fully comply with the fire compartmentation requirements as shown on the fire compartmentation drawings by the Architects.
- The contractor shall liaise with the heritage Architects to agree method statements prior to carrying out any works which may affect existing historically significant finishes.
- Access panels will be provided in fixed non-dismantlable ceilings for maintenance purposes. The access panel will be of sufficient size to allow the removal of any component without further disturbing the ceiling upon satisfaction of the client. Access panels location to be agreed with the Architects.
- All distribution services passing through walls and slab which are not designated as fire compartment walls shall be acoustically sealed at the wall and slab to meet the acoustic separation specification of the wall/partition/slab.
- The minimum fire resistance rating of the fire resistance panel (FRP) for the enclosure of the services such as pipework, ductwork, equipment, electrical works, CE etc. shall be the same fire resisting period as the serviced compartment or the containing compartment whichever is higher. Refer to fire compartmentation drawings drawn by the Architects.
- Fire dampers and other means of fire resistance enclosure will be provided for ductwork whether or not shown on drawings at locations passing through fire rated walls and floor slabs, partitions or any compartment lines. The contractor shall refer to fire compartmentation drawings drawn by the Architects.
- All linings for acoustic, thermal insulation and decorative purposes within protected means of escape shall be of class 1 or 2 rate of surface spread of flame as per British Standard 476 - part 7 or be brought up to that standard by use of an approved fire retardant product.
- All supply, return, exhaust, transfer air diffusers and grilles shall be provided with opposed blade integrated volume control dampers. Only exception to this is the Council Chamber, where the diffusers will not be fitted with VCDs. All air diffusers and grilles shall be constructed of aluminium, unless otherwise specified. Disc valves to be provided in all toilets.
- Toilet/store ventilation to be central duct system with dual fans with auto switch over control.
- Insulated access panels of the same rating as the duct itself of minimum size 450x450 (200x200) is allowed for ductwork width < 450mm shall be provided at all fire dampers in the ductwork whether shown or not on the drawings.
- Effective guiding vanes shall be provided for every (horizontal/vertical) bend of ductwork, and comply with British Standards & HVCA best practice guidelines.
- All ductwork dimensions shown refer to internal dimensions.
- All ductwork bends shall be radius bends.
- All wall mounted room type thermostats and temperature sensors will be wall mounted at 1200-1500mm above finish floor level unless otherwise specified. If they are ceiling mounted they shall be behind a return grille.
- All insulated flexible ducts connecting from FCU to air grille should not be longer than 0.6m and not less than 0.300m.
- The contractor shall refer to the Architectural drawings and facade elevation for the exact location of the intake and exhaust louvers, the exact location of diffusers and grilles and all associated setting out dimensions.
- All ductwork noted are clear internal dimensions after the internal duct liner has been installed.
- Where there are cross talk attenuators the contractor shall install VCDs up stream of the attenuator and ensure that there is good access to VCD.
- For the most up to date architectural & structural design refer to architectural & structural drawings respectively.
- All mechanical and electrical risers to have metal grating at floor level for facility managers to be able to step on them for access purposes.
- All supply ductwork to be provided with thermal insulation. Return air ductwork only to be provided with insulation where it passes externally.
- All attenuators installed at AHUs shall have increased ductwork dimensions (cross sectional area) at both sides so that the velocity of air is below 4m/s.
- All louvres to be complete with plenum box at the back & bird & insect mesh. For louvre size, refer to architectural drawings & schedule.
- External acoustic lagging and internal acoustic lining shall be installed to the ducts serving the council chamber in the ground floor ceiling void directly below.
- Fire dampers, motorised smoke fire dampers & attenuators have been added.

- Return air duct terminates at high level in ceiling void. Ceiling void to be used as return air plenum.
- Make up air from the offices ductwork connects to shadow gap above the wash hand basin
- Toilet ventilation extract ductwork F/A to HL. Ductwork branches c/w 600mm cross talk attenuators
- Ventilation ductwork supply & return F/A to HL
- Return air duct terminates at high level in ceiling void. Ceiling void to be used as return air plenum.
- Supply grilles located between downstand beams.
- Supply ductwork runs in ceiling void & terminates at the back of the FCUs. Return ductwork terminates in the ceiling void which functions as a return air plenum
- Toilet ventilation extract ductwork F/A to HL. Ductwork branches c/w 600mm cross talk attenuators
- Outdoor units for comms room DX units.
- Ventilation supply ductwork from L/L T/B to serve south eastern council chamber mezzanine. Ductwork runs externally and shall be accordingly insulated.
- Ventilation return ductwork serving council chamber F/A to L/L. Ductwork to connect into wall plenum at the back of the Store Room on L2. At base of wall plenum is a return air grille extracting air from the council chamber at high level in the arched roof. This grille will be the single point of extract in council chamber.
- Ventilation supply ductwork distributed over council chamber roof to serve council chamber mezzanines.
- Fire rated wall plenum in Store Room on Level 2
- Extract grille connects into base of wall plenum and is the single point of extract from the council chamber. Grille sits at high level in the arched roof of the council chamber.
- Ventilation supply ductwork F/A T/B to serve council chamber.
- Provisional space allowance for Camden centre tenant kitchen extract ductwork. Tenant to install ductwork.
- Gas flue 250mm diameter F/B T/A
- Ventilation supply ductwork F/B to L/L to be distributed over council chamber roof to serve south eastern council chamber mezzanine. Ductwork runs externally and shall be accordingly insulated.
- Supply ductwork runs in ceiling void & terminates at the back of the FCUs. Return ductwork terminates in the ceiling void which functions as a return air plenum
- Return air duct terminates at high level in ceiling void. Ceiling void to be used as return air plenum.
- Ventilation ductwork supply & return F/A to HL
- Toilet ventilation extract ductwork F/A to HL. Ductwork branches c/w 600mm cross talk attenuators
- Make up air from the offices ductwork connects to shadow gap above the wash hand basin
- Return ductwork terminates at HL in the ceiling void which functions as a return air plenum.

Space available for Tenant DX Units

C00	09/10/20	RG	VM	VM
Stage 4 - Contract Issue				
T02	13/01/2020	RG	VM	VM
Stage 4 - Addendum				
T01	22/11/19	RG	VM	VM
Stage 4 - Addendum				
T00	27/09/19	RG	VM	VM
Stage 4 - Tender Issue				
P01	30/04/19	AN	VM	VM
Stage 3 update following design review				
P00	20/03/19	AN	VM	VM
Stage 3 Issue				
Rev	Date	By	Chk	Appd

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Client
Lendlease

Project Title
Camden Town Hall

Drawing Title
Mechanical Services Ventilation Level 02

Scale of A0
As indicated

Date
Mechanical Services

Subsidiary
S4 - Suitable For Stage Approval

Ampl Job No
261250

Rev
C00

Name
CTH-ARP-L02-DR-57-M-4500