

600 x 600mm drop to L.L. to connect to supply fan.

Provide & install new Nuair Airmover supply fan at L.L. to deliver 1.5 m³/s fresh air to the Plant room.

600 x 600mm ductwork at H.L. c/w Allaway attenuator at H.L. drop to corner to fix supply fan at L.L.

New 500 x 500mm supply ductwork shall drop to Undercroft level at H.L. Adapt to 600 x 600mm fix/fit to ceiling (to fit above door level) from above floor c/w fire damper provided between floors. Run to new supply fan located within the position indicated. The Contractor shall carry out full working drawings & check the size of the fan including maintenance requirements that it will physically fit in the space & maintained successfully.

600 x 600mm supply ductwork rise to H.L. c/w Nuair attenuator (38 kg weight). Install vertically & enter Plant Room at H.L. Adapt to 500 x 500mm ductwork within Plant room.

New 500 x 500mm supply ductwork at H.L.

Existing ductwork to remain.

Provide & install new 400 x 500mm supply ductwork at H.L. c/w epoxy coating. See notes.

Provide & install new Waterloo diffuser at H.L. in vicinity of the UV units electrical boards to cool the area locally.

300 x 300mm galvanised mild steel ductwork at H.L. c/w epoxy coating. See notes.

Provide & install new Waterloo diffuser at H.L. in vicinity of the UV units electrical boards to cool the area locally.

NOTE
Provide & install new 300 x 300mm supply ductwork at H.L. c/w epoxy coating. Each supply diffuser shall be Waterloo DF41/450x450/OBSS/PPM910 2 Pack Primer. See notes.

Allow for intumescent door transfer grille to fire door by Waterloo: WFG/600x600/SF/PPM910 to fire door.

Allow for intumescent door transfer grille to wall 1 off Waterloo: 3HF/1200x600/R25T32/SF/WFG/1200x600/PPM910 on the wall. Allow for relocating the fire extinguishers to a suitable position.

Existing services pipework, electrical bus-bar & fire exit shall be retained & accessible after the installation. The Contractor is strongly advised to survey the area to allow for all necessary builders work & design & install a new extract ductwork ventilation system to the area. The detailed design of the installation shall be Contractors design in its entirety & to be approved by C.A.

Existing hatch to exit to remain.

Provide & install Nuair Airmover AM43 extract fan at L.L. c/w attenuators manufactured by Allaway Acoustics suitable for humid & chlorine rich environment.

300 x 300mm after the extract grille.

300 x 500mm

600 x 600mm extract ductwork through the door c/w fire damper at low level, rise to high level within Zone 3. Adapt to 500 x 500mm.

Provide & install new 500 x 400mm extract ductwork at H.L. c/w epoxy coating. See Notes.

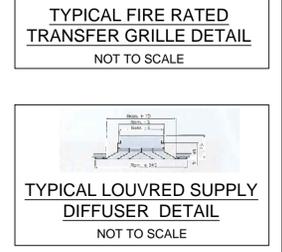
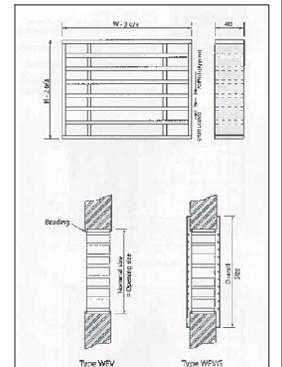
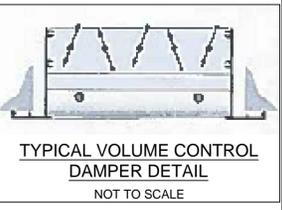
Provide & install a new 300 x 500mm extract ductwork at H.L. c/w epoxy coating. See Notes.

Provide & install a new 300 x 300mm extract ductwork at H.L. c/w epoxy coating. See Notes.

NOTE
Provide & install new extract ductwork complete with new Waterloo grilles. Each grille shall be Waterloo DF41/450x450/OBSS/PPM910 2 Pack Primer. Flow rate 0.3 m³/s.

New 600 x 600mm extract ductwork shall be adapted to 800 x 800mm ductwork to raise above ground level. See Ground Floor installation drawing for details of the ventilation cowl.

NOTES
This Drawing is presented to the Corby Borough Council in respect of the Corby International Swimming Pool and may not be used or relied on by any other person or by the client in relation to any other matters not covered specifically by the scope of this Drawing.
Notwithstanding anything to the contrary contained in the Drawing, Kier Business Services Limited is obliged to exercise reasonable skill, care and diligence in the performance of the services required by Corby Borough Council and Kier Business Services Limited shall not be liable except to the extent that it has failed to exercise reasonable skill, care and diligence, and this Drawing shall be read and construed accordingly.
This Drawing has been prepared by Kier Business Services Limited and no individual is personally liable in connection with the preparation of this Drawing. By receiving this Drawing and acting on it, the client or any other person accepts that no individual is personally liable whether in contract, tort, for breach of statutory duty or otherwise Kier Business Services Limited has used reasonable endeavours to provide information that is correct and accurate and the Drawing sets out reasonable conclusions that have been reached on the basis of the information available.
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SUPPLY & EXTRACT FAN SCHEDULE				
RADIATOR REF.	LOCATION	MAKE	CODE	DESCRIPTION
EF-01	Zone 3	NUAIRE	AM43ES-QA14151	Nuair Airmover centrifugal square cased unit with double skinned acoustic panels c/w frequency inverter with full ECOSMART compatibility in a remote control box. Inverter supplied with fan needs, to be mounted internally within the building unless weather enclosure is ordered. QA = unit has been treated for use in chlorinated atmosphere.
			AMDF3	Doubled flanged flexible connector.
			NAV2	Anti-vibration mounting kit (540822)
			ES-LCD	Nuair Ecosmart user control with touch screen c/w time clock, fitted with cable extender 830272.
SF-01	Plant Room	NUAIRE	AM43ES-QA14151	Nuair Airmover centrifugal square cased unit with double skinned acoustic panels c/w frequency inverter with full ECOSMART compatibility in a remote control box. Inverter supplied with fan needs, to be mounted internally within the building unless weather enclosure is ordered. QA = unit has been treated for use in chlorinated atmosphere.
			AMDF3	Doubled flanged flexible connector.
			NAV2	Anti-vibration mounting kit (540822)
			ES-LCD	Nuair Ecosmart user control with touch screen c/w time clock, fitted with cable extender 830272.
RC01			TRTS-C-QA14151	Terminator terminal size C c/w shutters treated for use in chlorinated atmosphere.
			Note	Upstand to be provided by others.

FIRE DAMPER SCHEDULE			
RADIATOR REF.	LOCATION	MAKE	DESCRIPTION
FD-01	Pool Store	BSB	FD folding blade fire damper, Type C, AF, 316 SS, case (passivated) 316 SS blades, 72°C, 560mm dia.
FD-02	First Aid	BSB	FD folding blade fire damper, Type B, AF, 316 SS, case (passivated) 316 SS blades, 72°C, 500mm (w) x 500mm (h)
FD-03	Plant Room	BSB	FD folding blade fire damper, Type B, AF, 316 SS, case (passivated) 316 SS blades, 72°C, 600mm (w) x 600mm (h)
FD-04	Zone 3 Area	BSB	FD folding blade fire damper, Type B, AF, 316 SS, case (passivated) 316 SS blades, 72°C, 600mm (w) x 600mm (h)

*"AF" denotes angle frame installation method.

NOTES

1:00 All ductwork that is located shall be installed in galvanised ductwork shall be coated in a fusion bonded epoxy coating to protect all metal elements from corrosion. All brackets & fittings which are susceptible to corrosion shall also be epoxy coated. The epoxy coating shall be applied to both the internal & external complete surface areas of the ductwork. The colour of the epoxy coating shall be different between supply (GREEN) & extract (RED).

2:00 The Tender Design ductwork sizing & positions are provided as indicative design for costing purposes. The Contractor shall carry out a full survey at the time of pricing & shall allow within his costs for co-ordination of Full Design that may alter the indicative design to suit the existing services runs. No allowance for additional payments can be applied as a result of alterations for co-ordination of the design. The Contractor shall use a specialist competent ductwork manufacturer specialist to produce full working drawings for approval by C.A. prior manufacture & installation, all in accordance with specifications. The Contractor shall allow within his costs all required thermal insulation to supply ductwork & covers to prevent any condensation forming on the ductwork & protect ductwork from humidity. The design shall allow for design & provision of brackets suitable to the environment to carry new ductwork & new electrical supplies to the fans.

NOTE
This drawing to be read in conjunction with the Mechanical Installation Specification.

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