

FCU INDOOR UNIT SCHEDULE

REFERENCE	LOCATION	DESCRIPTION	MANUFACTURER	MODEL REF	FLOWRATE (L/S)	DUTY (W)	CONTROL	COMMENTS
FCU 01	4TH FLOOR	FAN COIL UNIT	MTSUSHI	PSTY-PC2MM-E	200	-	WALL MOUNTED	200L UNITS TOTAL @ 20W HEATING & 7.7kW COOLING EACH

VENTILATION HEAT RECOVERY UNIT SCHEDULE

REFERENCE	LOCATION	DESCRIPTION	MANUFACTURER	MODEL REF	FLOWRATE (L/S)	DUTY (W)	CONTROL	COMMENTS
HRU 01	4TH FLOOR	HEAT RECOVERY UNIT	MTSUSHI	LQH-1000EXT	278	38	CONTINUOUS	80W UNITS TOTAL

ALL HEAT RECOVERY UNITS REFERENCED ABOVE ARE AS MANUFACTURED BY MITSUBISHI Tel: 01942 949500 (PACAR)

EXTRACTOR FAN SCHEDULE

REFERENCE	LOCATION	DESCRIPTION	MANUFACTURER	MODEL REF	FLOWRATE (L/S)	DUTY (W)	CONTROL	COMMENTS
EF 01	4TH FLOOR IN WC	EXTRACT FAN	VENT A&H	ADM20	120	-	-	-

ALL HEAT RECOVERY UNITS REFERENCED ABOVE ARE AS MANUFACTURED BY MITSUBISHI Tel: 01942 949500 (PACAR)

BRANCH SELECTOR BOX SCHEDULE

REFERENCE	LOCATION	MANUFACTURER	DESCRIPTION	SERVED BY	UNITS FEEDING	ELECTRICAL SUPPLY	COMMENTS
CMB 01	4TH FLOOR OPEN AREA	MTSUSHI	CMB-W1070V -24V	BC CONTROLLER	-	106L FCU 01	24V 50Hz
CMB 02	4TH FLOOR OPEN AREA	MTSUSHI	CMB-W1070V -24V	BC CONTROLLER	-	76L FCU 01	24V 50Hz
CMB 03	4TH FLOOR OPEN AREA	MTSUSHI	CMB-W1070V -24V	BC CONTROLLER	-	116L FCU 01	24V 50Hz

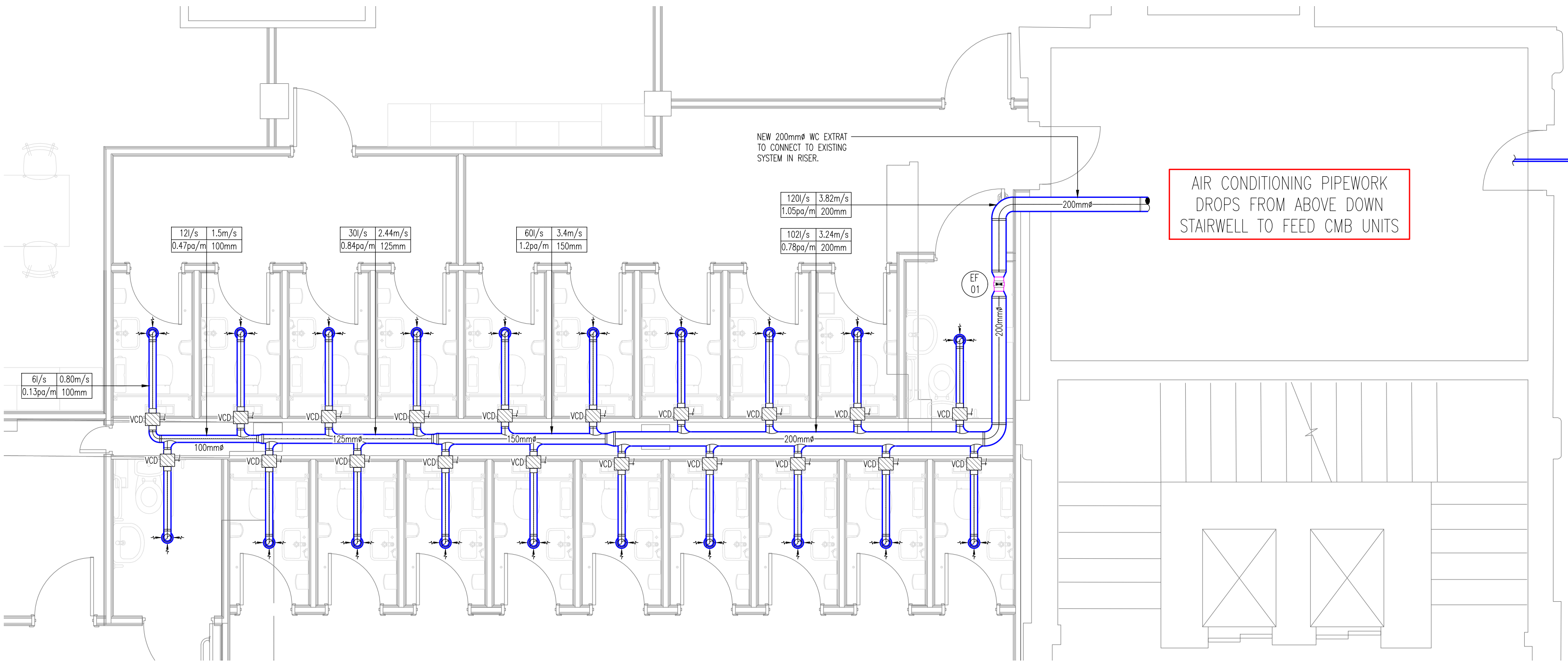
NOTE: ALL EQUIPMENT SELECTED AND SPECIFIED BY PACAR.

CONTACT 01442 254607 @ SALES@PACAR.CO.UK

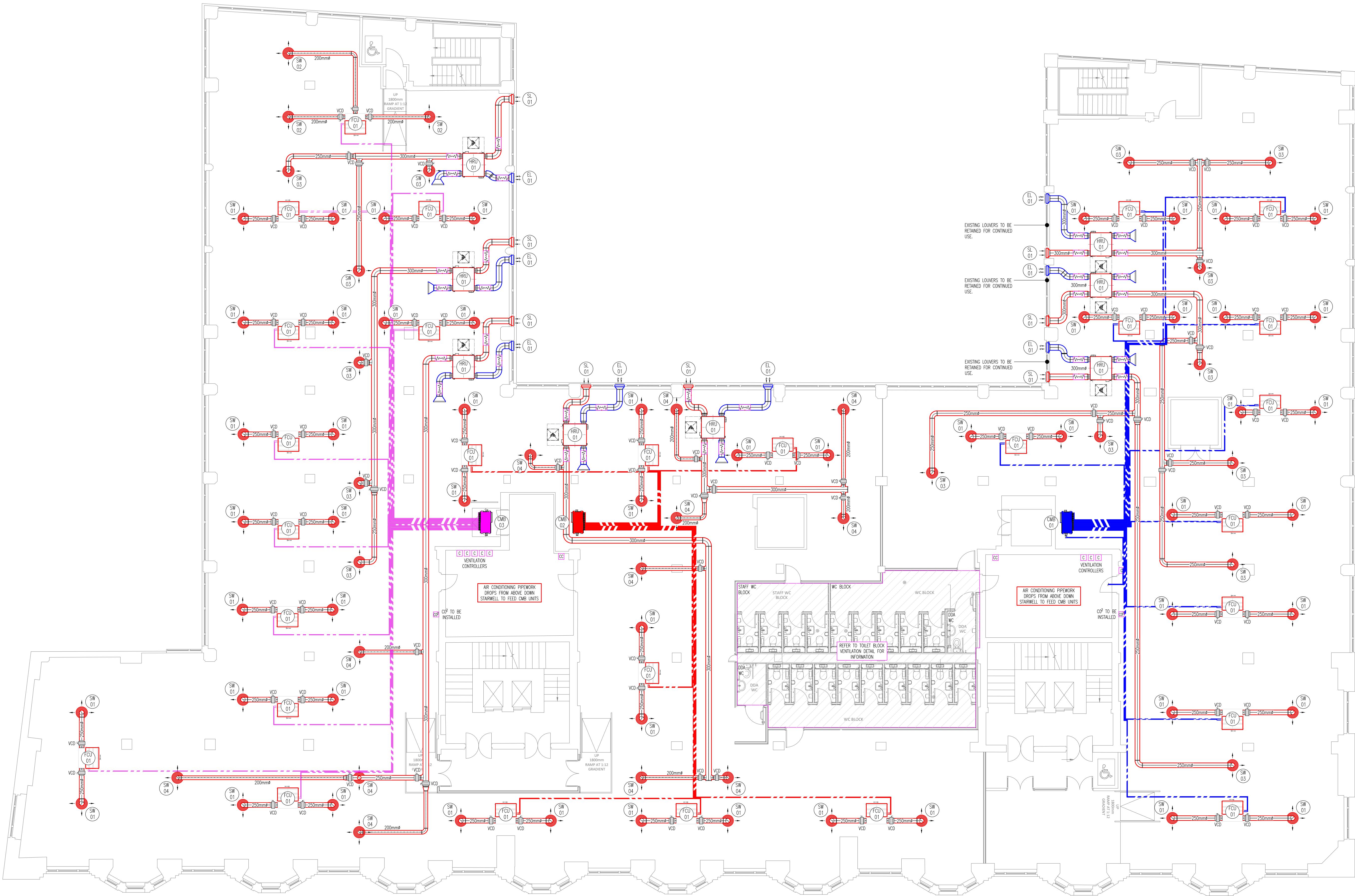
SCHEDULE OF SUPPLY SWIRL DIFFUSER

REFERENCE	LOCATION	TYPE	GRILLE SIZE	COAN SIZE	COLOR	AIR FLOW RATE (L/S)	THROW (M)	PRESSURE DROP (Pa)	MANUFACTURER	GRILLE REF
SW 01	4TH FLOOR	DANIELS	400	250	BAL 9010	134 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 02	4TH FLOOR	DANIELS	400	200	BAL 9010	88 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 03	4TH FLOOR	DANIELS	400	250	BAL 9010	92 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 04	4TH FLOOR	DANIELS	400	200	BAL 9010	88 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 05	4TH FLOOR	DANIELS	125	100	BAL 9010	20 L/S	-	-	WATERLOO	SDFC-125

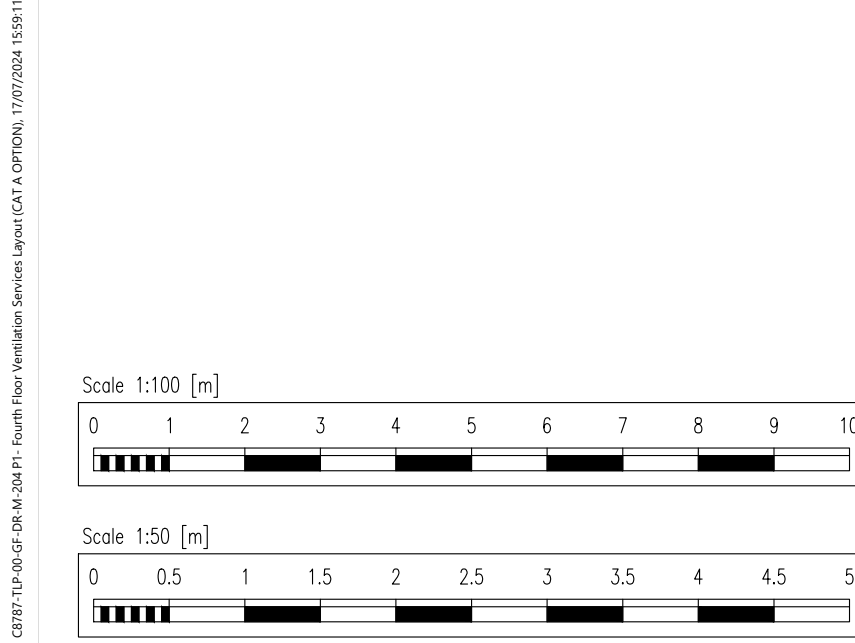
NOTE: ALL SUPPLY GRILLES MANUFACTURED BY WATERLOO Tel: 01622 711500



4th FLOOR TOILET BLOCK Scale 1:50
VENTILATION SERVICES LAYOUT



FOURTH FLOOR Scale 1:100
VENTILATION SERVICES LAYOUT



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- NOTES
1. VENTILATION
 - ALL DUCTWORK SHALL BE CLASS 1 MINIMUM, TESTED TO HICK STANDARDS AND MANUFACTURED TO DATA.
 - RECTANGULAR DUCTWORK BEING OFFSETS, TURNING BRACKETS AND KNOCKS SHALL BE COMPLETE WITH TURNING UNITS, AND ALL RECTANGULAR DUCTWORK OFFSETS WITH ANGLES GREATER THAN 22.5° SHALL BE COMPLETE WITH SPIGOTS.
 - FLEXIBLE DUCTWORK ON SUPPLY & RETURN SYSTEMS SHALL BE MANUFACTURED BY GILL TYPE TESTER 800/1000MM 400 OR EQUIV.
 - FLEXIBLE DUCTWORK ON EXTRACT ONLY SYSTEMS SHALL BE MANUFACTURED BY GILL TYPE TESTER 800 OR EQUIV.
 - ALL EXTRACT DUCTWORK CONNECTIONS TO SUPPLY AND EXTRACT TERMINALS SHOULD HAVE A MINIMUM LENGTH OF 400MM.
 - ALL SUPPLY, RETURN AND EXTRACT AIR DUCTWORK TO BE THERMALLY INSULATED. INTERNAL EXHAUST DUCTWORK NEED NOT BE INSULATED IF INTAKEN AMBIENT SPACE.
 - ALL DUCTWORK WILL BE IDENTIFIED IN LINE WITH THE BS REQUIREMENTS.
 - WHERE REQUIRED ALL DUCTWORK WILL BE SUPPORTED BY RIGID VIBRATION WANGERS.
 - ALL REEF RECOVERY UNITS / FANS / AIR HANDLING UNITS TO BE SUPPORTED ON EXTERNAL WITH VIBRATION MOUNTS WITH ACUSTIC FLEX DUCT CONNECTIONS.
 - ALL SHEET METAL DUCTWORK SERVING COMMERCIAL KITCHENS SHALL BE MANUFACTURED AND INSTALLED TO HICK SPECIFICATION DATA.
 - FIRE DAMPERS SHALL BE PROVIDED AND INSTALLED THROUGH ALL FIRE BARRIER PENETRATIONS INCLUDING FLOOR SLABS TO SAT THE STAIRWELL, EXCEPT FIRE RATED KITCHEN EXTRACT DUCTWORK.
 - FIRE DAMPERS SHALL BE NECESSARILY SUPPORTED FROM THE DUCTWORK IF IT IS CONNECTED TO.
 - ONE DAMPER SHALL BE PROVIDED FOR EACH EXTRACT DUCTWORK AND SHALL BE IDENTIFIED WITH AN EXTERNAL VISUAL INDICATION OF DAMPER.
 - ONE DAMPER SHALL BE PROVIDED WITH AN EXTERNAL ACCESS DOOR TO ENABLE REGULAR VISUAL CHECKS AND DROP TESTS TO BE PERFORMED IF REQUIRED.
 - WHERE CONTROL DAMPERS WILL BE PROVIDED FOR SHADING PURPOSES AND SHOULD BE MULTI-BLADED UNLESS STATED OTHERWISE AND BE MANUFACTURED BY AUTOMATED/DAVIDSON OR EQUIV. DRAUGHT SHADE ACCEPTABLE FOR SMALL BRANCH DUCTS.
 - ALL VCD DAMPERS ARE TO BE PROVIDED TO ALLOW THE BEST POSSIBLE MEANS OF ACCESS FOR THE COMMISSIONING ENGINEER. ACCESS SHOULD BE PROVIDED TO ALLOW MULTIPLE DAMPERS TO BE ACCESSIBLE THROUGH THE SAME ACCESS DOOR.
 - ALL KITCHEN EXTRACT DUCTWORK TO BE FIRE RATED USING FRANKING DUCTWORK WITH BENDS TO BE FINISHED WITH KNOCK THROUGH AND NO TURNING UNITS.
 - ALL KITCHEN EXTRACT DUCTWORK SHALL BE PROVIDED WITH ACCESS DOORS TO COMPLY WITH HANSA 10/11 GUIDELINES ON VENTILATION SYSTEMS. KITCHEN EXTRACT ACCESS DOORS SHALL BE A MINIMUM OF 1.5m CENTRES AND 600mm IN LENGTH.
 - ALL DUCTWORK SHALL BE COMMISSIONED IN ACCORDANCE WITH CORE COMMISSIONING CODES.
 - REGULATIONS TO COMPLY FULLY WITH CURRENT BUILDING REGULATIONS, BREXIT STANDARDS & BT MTRN REGULATIONS.
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