FCU INDOOR UNIT SCHEDULE

REFERENCE	LOCATION	DESCRIPTION	MANUFACTURER	MODEL REF	FLOWRATE (l/s)	DUTY (Pa)	CONTROL	COMMENTS
FCU 01	4TH FLOOR	FAN COIL UNIT	MITSUBISHI	PEFY-P63VM-E	248	-	WALL MOUNTED	30No. UNITS TOTAL @ 8kW HEATING & 7.1kW COOLING EACH

VENTILATION HEAT RECOVERY UNIT SCHEDULE

REFERENCE	LOCATION	DESCRIPTION	MANUFACTURER	MODEL REF	FLOWRATE (l/s)	DUTY (Pa)	CONTROL	COMMENTS
HRU 01	4TH FLOOR	HEAT RECOVERY UNIT	MITSUBISHI	LGH-100RVXT	278	98	CONTINUOUS	9No. UNITS TOTAL

ALL HEAT RECOVERY UNITS REFERENCED ABOVE ARE AS MANUFACTURED BY MITSUBISHI Tel: 01942 949050 (PACAR)

BRANCH SELECTOR BOX SCHEDULE

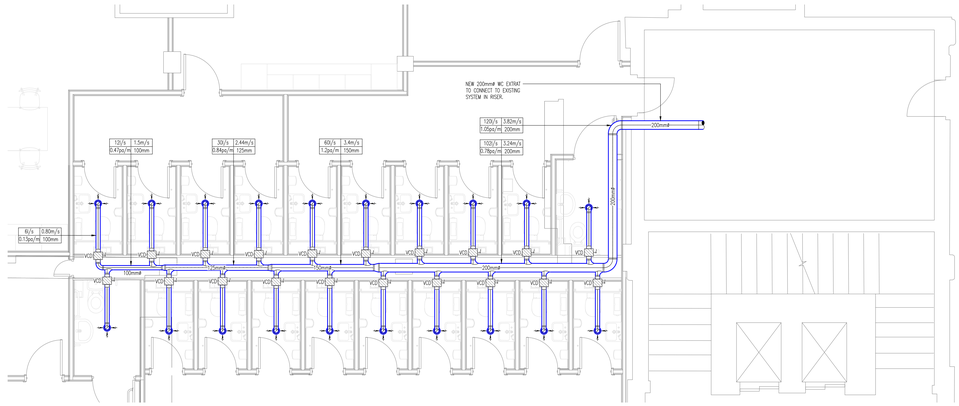
REFERENCE	LOCATION	MANUFACTURER	MODEL REF	DESCRIPTION	SERVED BY	UNITS FEEDING	ELECTRICAL SUPPLY	COMMENTS
CMB 03	4TH FLOOR OPEN AREA	MITSUBISHI	CMB-WT1016V -J1	BC CONTROLLER	-	10No. FCU 01	240v 50Hz	-
CMB 02	4TH FLOOR OPEN AREA	MITSUBISHI	CMB-WT1016V -J1	BC CONTROLLER	-	7No. FCU 01	240v 50Hz	-
CMB 03	4TH FLOOR OPEN AREA	MITSUBISHI	CMB-WT1016V -J1	BC CONTROLLER	-	6No. FCU 01	240v 50Hz	-
CMB 04	4TH FLOOR COMMS ROOM	MITSUBISHI	CMB-WT1016V -J1	BC CONTROLLER	-	7No. FCU 01	240v 50Hz	-

NOTE: ALL EQUIPMENT SELECTED AND SPECIFIED BY PACAR.
CONTACT: 01442 254401 or SALES@PACAR.CO.UK

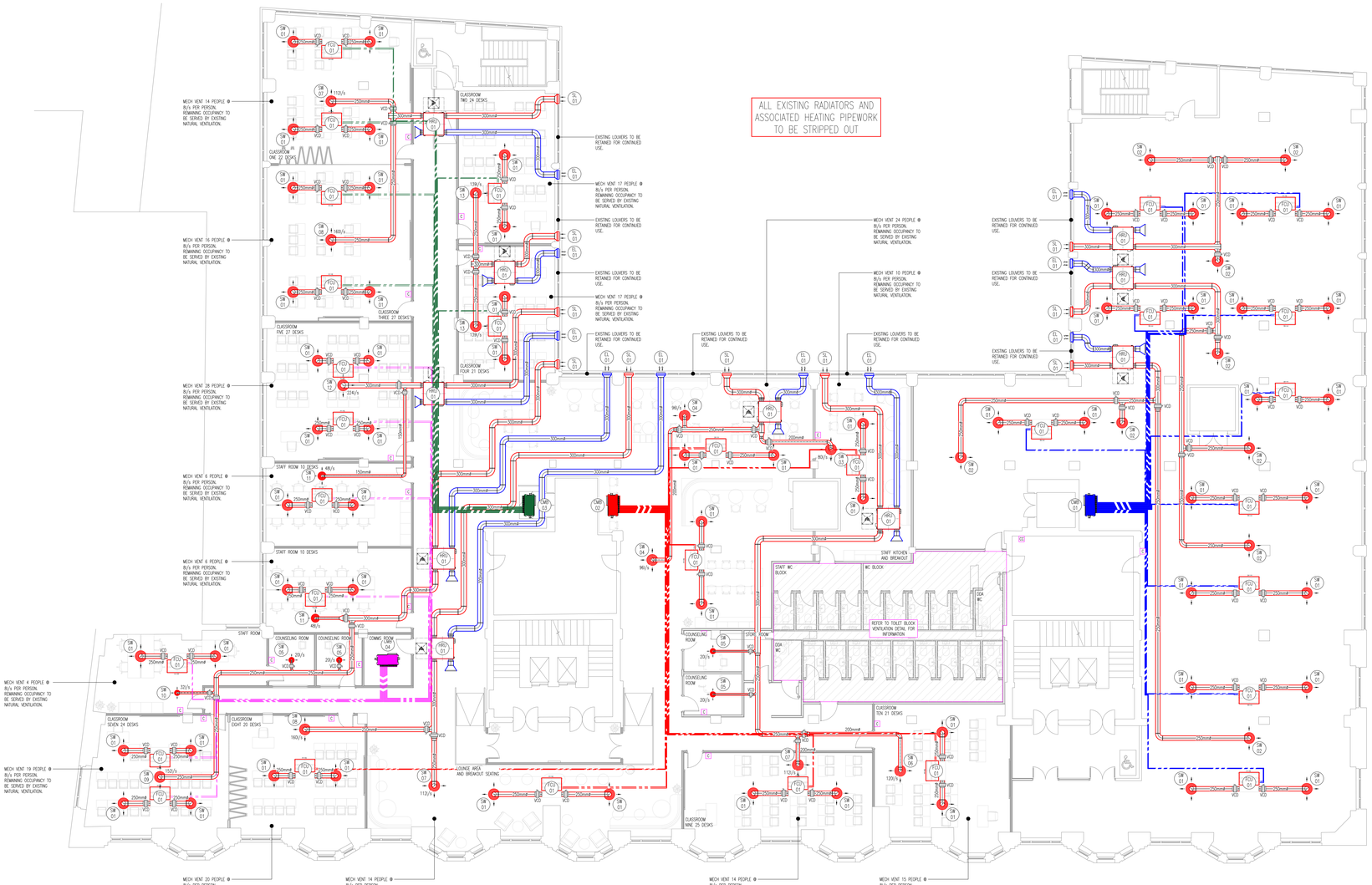
SCHEDULE OF SUPPLY SWIRL DIFFUSER

REFERENCE	LOCATION	TYPE	GRILLE SIZE	CONN SIZE	COLOUR	AIR FLOW RATE (l/s)	THROW (m)	PRESSURE DROP (Pa)	MANUFACTURER	GRILLE REF
SW 01	4TH FLOOR	SWIRLS	400	250	RAL 9010	134 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 02	4TH FLOOR	SWIRLS	400	250	RAL 9010	92 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 03	4TH FLOOR	SWIRLS	400	200	RAL 9010	80 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 04	4TH FLOOR	SWIRLS	400	200	RAL 9010	96 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 05	4TH FLOOR	SWIRLS	125	100	RAL 9010	20 L/S	-	-	WATERLOO	SDFC-125
SW 06	4TH FLOOR	SWIRLS	400	200	RAL 9010	120 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 07	4TH FLOOR	SWIRLS	400	250	RAL 9010	112 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 08	4TH FLOOR	SWIRLS	400	250	RAL 9010	160 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 09	4TH FLOOR	SWIRLS	400	250	RAL 9010	152 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 10	4TH FLOOR	SWIRLS	160	125	RAL 9010	32 L/S	-	-	WATERLOO	SDFC-160
SW 11	4TH FLOOR	SWIRLS	200	150	RAL 9010	48 L/S	-	-	WATERLOO	SDFC-200
SW 12	4TH FLOOR	SWIRLS	400	300	RAL 9010	224 L/S	<3.6	<20	WATERLOO	SDFC-400
SW 13	4TH FLOOR	SWIRLS	400	250	RAL 9010	139 L/S	<3.6	<20	WATERLOO	SDFC-400

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



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


ALL EXISTING RADIATORS AND ASSOCIATED HEATING PIPEWORK TO BE STRIPPED OUT
MECH VENT 14 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 16 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 28 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 6 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 6 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 4 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 19 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 20 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 14 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 17 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 24 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 10 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 14 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
MECH VENT 15 PEOPLE @ 8L/s PER PERSON. REMAINING OCCUPANCY TO BE SERVED BY EXISTING NATURAL VENTILATION.
EXISTING LOUVERS TO BE RETAINED FOR CONTINUED USE.
CLASSROOM TWO 24 DESKS
CLASSROOM ONE 22 DESKS
CLASSROOM THREE 27 DESKS
CLASSROOM FIVE 27 DESKS
CLASSROOM FOUR 21 DESKS
STAFF ROOM 10 DESKS
STAFF ROOM 10 DESKS
STAFF ROOM
COUNSELING ROOM
COUNSELING ROOM
COUNSELING ROOM
COUNSELING ROOM
CLASSROOM SIXTH 24 DESKS
CLASSROOM EIGHT 20 DESKS
LOUNGE AREA AND BREAKOUT SEATING
STAFF WC BLOCK
WC BLOCK
STAFF KITCHEN AND BREAKOUT
REFER TO TOILET BLOCK VENTILATION DETAIL FOR INFORMATION
CLASSROOM TEN 21 DESKS
CLASSROOM NINE 25 DESKS
VCD
SD 01
FCU 01
SL 01
EL 01
HRU 01
SD 02
SD 03
SD 04
SD 05
SD 06
SD 07
SD 08
SD 09
SD 10
SD 11
SD 12
SD 13
SD 14
SD 15
SD 16
SD 17
SD 18
SD 19
SD 20
SD