

HEAT RECOVERY UNIT SCHEDULE									
REF	SYSTEM	MANUFACTURER	MODEL	AIR VOLUME (m³/s)	RESISTANCE (Pa)	ELECTRICAL DETAILS	INSTALLATION	WEIGHT (Kg)	COMMENTS
HRU01	OFFICE/STAFF ROOM	DAIKIN	VAM150	0.040	90	230/1/50	HIGH LEVEL	24	CONTROLLER TO COMMISSION ONLY

ATTENUATOR SCHEDULE								
REF	SYSTEM	SIZE (mm)			TYPE	AIR VOLUME (m³/s)	PRESSURE (Pa)	COMMENT
		WIDTH	HEIGHT	LENGTH				
ATT01	HRU01 - FAI	1500	-	900	SC	0.040	5	-
ATT02	HRU01 - EXHAUST	1500	-	900	SC	0.040	5	-
ATT03	HRU01 - SUPPLY	1500	-	600	SC	0.040	5	-
ATT04	HRU01 - EXTRACT	1500	-	600	SC	0.040	5	-
ATT05	WC - EXTRACT	1250	-	600	SC	0.020	5	-
ATT06	WC - EXHAUST	1250	-	900	SC	0.020	5	-
ATT07	BAKERY - EXTRACT	2240	-	600	SC	0.125	5	-
ATT08	BAKERY - EXHAUST	2240	-	900	SC	0.125	5	-

EXTRACT GRILLE SCHEDULE							
REF	LOCATION	MANUFACTURER	MODEL	SIZE (mm)	AIR VOLUME (m³/s)	CONNECTION	COMMENTS
EG01	BAKERY	GILBERTS	GECA - DO	300 x 300	0.125	2240 TCB	RAL 9010
EG02	STAFF ROOM	GILBERTS	GECA - DO	150 x 150	0.020	1250 TCB	RAL 9010
EG03	WC	GILBERTS	GECA - DO	150 x 150	0.033	1250 TCB	RAL 9010
EG04	OFFICE	GILBERTS	GECA - DO	150 x 150	0.020	1250 TCB	RAL 9010

SUPPLY GRILLE SCHEDULE							
REF	LOCATION	MANUFACTURER	MODEL	SIZE (mm)	AIR VOLUME (m³/s)	CONNECTION	COMMENTS
SG01	STAFF ROOM	GILBERTS	DG4 - DO	150 x 150	0.030	1250 TCB	RAL 9010
SG02	OFFICE	GILBERTS	DG4 - DO	150 x 150	0.020	1250 TCB	RAL 9010

DOOR GRILLE SCHEDULE							
REF	LOCATION	MANUFACTURER	MODEL	SIZE (mm)	AIR VOLUME (m³/s)	INTUMESCENT DAMPER	COMMENTS
DG01	DISABLED WC	GILBERTS	NV3	250 x 250	0.033	NO	SATIN SILVER

SUPPLY AND EXTRACT FAN SCHEDULE							
REF	LOCATION	MANUFACTURER	MODEL	AIR VOLUME (m³/s)	ELECTRICAL SUPPLY	CONTROLLER	COMMENTS
EF01	BAKERY	VENT AXIA	SDX 200 C	0.125	230/1/50 - 110WATTS	SPM5020	-
EF02	DISABLED WC	VENT AXIA	SDX 125	0.033	230/1/50 - 80WATTS	SPM5020	-

CARBON FILTER SCHEDULE			
SPECIFICATION	DIMENSIONS (mm)	AIR VOLUME (m³/s)	WEIGHT (kg)
KITCHAVENT 2000	383x383x1182	0.125	60

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NOTES

VENTILATION NOTES

ALL DUCTWORK SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE GENERAL SPECIFICATION AND TO BE INSTALLED BY A SPECIALIST DUCTWORK SUB CONTRACTOR. THE ENTIRE DUCTWORK INSTALLATION SHALL BE IN COMPLIANCE WITH DW144, BS2989, BS4929 AND DW/TM2 GUIDE TO GOOD PRACTICE INTERNAL CLEANLINESS NEW DUCTWORK INSTALLATIONS 1991. VOLUME CONTROL DAMPERS SHALL BE INSTALLED IN THE POSITIONS INDICATED ON THE TENDER DRAWINGS.

THE DUCTWORK AND EQUIPMENT SUPPORT SYSTEM SHALL BE DESIGNED TO COMPLY WITH THE SPECIFICATION FOR SHEET METAL DUCTWORK DW144. MATERIALS CONSTRUCTION METHOD OF FIXING TO THE BUILDING FABRIC, PRACTICABILITY AND APPEARANCE SHALL BE CAREFULLY CONSIDERED FOR EACH OCCURRING SITUATION. THE MECHANICAL SERVICES CONTRACTOR SHALL TAKE ACCOUNT OF THE VARIED NATURE OF THE EXISTING BUILDING STRUCTURE AND THE NEED FOR ALTERNATIVE FIXING METHODS IN DIFFERENT AREAS OF THE BUILDING.

1250 EXTRACT DUCT FROM DISABLED WC AT HIGH LEVEL WITHIN BAKERY CEILING VOID.

MECHANICAL INSTALLATION TO CO-ORDINATE WITH 2046mm HIGH WATER TANK C/W 400mm HIGH FILL VALVES. REFER TO DRG. MC1096-50-00-M002, WATER TANK ROOM LAYOUT, _Construction_C05 (1) FOR DETAILS.

1500 TRANSFORMS TO 400 x 150mm TO CONNECT TO EXTERNAL WEATHER LOUVRE.

EXTERNAL WEATHER LOUVRE c/w BIRD GUARD.

RED HATCHING DENOTES AREA OF LOUVRE TO BE BLANKED OFF.

FAI DUCTWORK WITHIN TANK ROOM TO RUN AT HIGH LEVEL BETWEEN WATER TANK AND LANDLORD'S AGOVE GROUND DRAINAGE AT HIGH LEVEL.

2240 EXTRACT DUCT FROM BAKERY AT HIGH LEVEL.

HRU FAI DUCT RUNS AT HIGH LEVEL WITHIN TANK ROOM TO WAREHOUSE ABOVE DBs CO-ORDINATED WITH TRUNKING INSTALLATION.

EXTERNAL WEATHER LOUVRE c/w BIRD GUARD ABOVE DOUBLE ESCAPE DOORS.

ANTI-VIBRATION HANGERS TO BE INSTALLED ON ALL FANS, HRUs AND CARBON FILTER UNITS.

1250 TRANSFORMS TO 125 x 400mm TO CONNECT TO EXTERNAL WEATHER LOUVRE.

2240 TRANSFORMS TO 200 x 400mm TO CONNECT TO EXTERNAL WEATHER LOUVRE.

1500 TRANSFORMS TO 150 x 400mm TO CONNECT TO EXTERNAL WEATHER LOUVRE.

MECHANICAL VENTILATION HEAT RECOVERY UNIT AT HIGH LEVEL WITHIN WAREHOUSE SERVES STAFF CANTEN AND OFFICE.

DIS. WC EXTRACT FAN LOCATED ABOVE WC CEILING.

OFFICE AREA FRESH AIR INTAKE AND EXTRACT DUCTS FROM HEAT RECOVERY UNIT RUN AT HIGH LEVEL WITHIN SALES AREA CO-ORDINATED WITH CONTAINMENT AND LIGHTING INSTALLATION.

OFFICE AREA SUPPLY AND EXTRACT GRILLES WITHIN CEILING CO-ORDINATED WITH LIGHTING INSTALLATION.

Rev | By | Date | Apr | Details

FOR INFORMATION

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CLIENT



PROJECT

COOP CORNBROOK,
CASTLEFIELD

DRAWING TITLE

VENTILATION
LAYOUT

SCALE 1 : 50 @ A0 DATE 01/05/20

DRAWN NB CHECKED GTW

DRAWING No.

6842/M01

LAYOUT BASED ON DWG No : 20-02-052 - Coop Cornbrook Model
DATE RECEIVED : 22nd April 2020
PREPARED BY : CO-OP