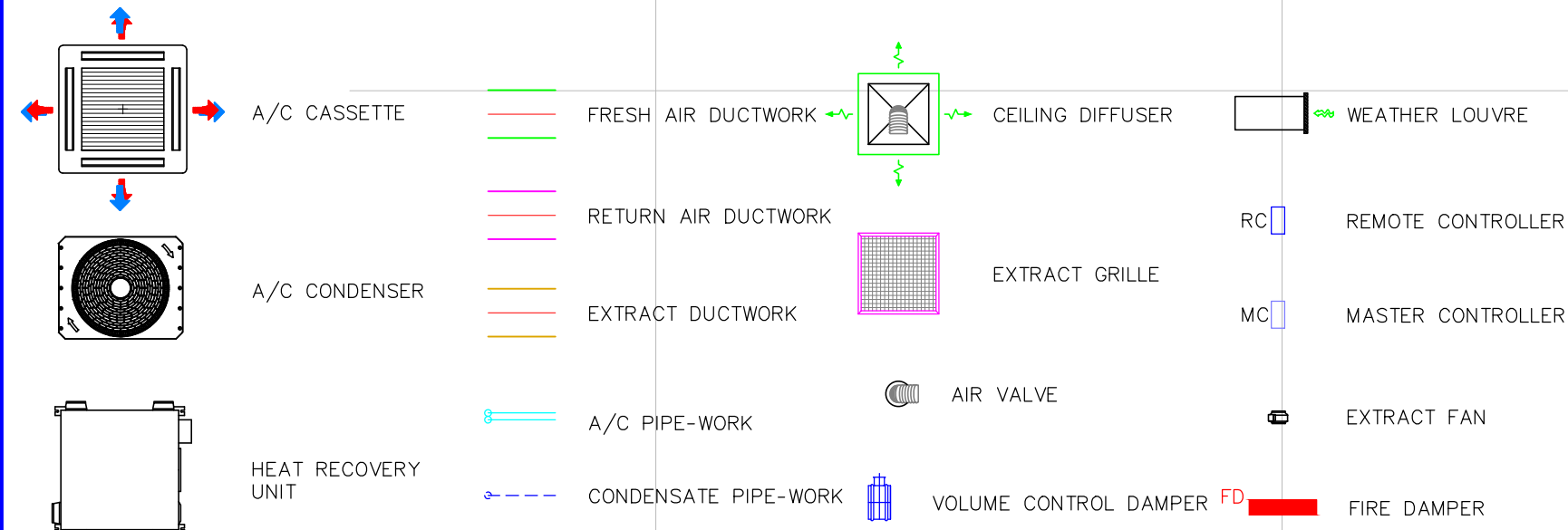


LEGEND:



AIR CONDITIONING EQUIPMENT SCHEDULE										
REF	AREA	TYPE	MANUFACTURER	MODEL	COOLING CAPACITY (KW)	HEATING CAPACITY (KW)	SIZE (W x D x H)	WEIGHT (KG)	NOISE (dBA)	POWER SUPPLY (V)
AC1.1	GROUND FLOOR RECEPTION	CEILING CASSETTE	DAIKIN	FTY-P100VEM6	5	6.3	840 x 840 x 298	24	31	240
AC1.2	FIRST FLOOR OFFICE	CEILING CASSETTE	DAIKIN	FTY-P100VEM6	10	11.2	840 x 840 x 298	27	41	240
AC1.3	FIRST FLOOR OFFICE	CEILING CASSETTE	DAIKIN	FTY-P100VEM6	8.1	10	840 x 840 x 298	27	37	240
AC1.4	FIRST FLOOR OFFICE	CEILING CASSETTE	DAIKIN	FTY-P100VEM6	8.1	10	840 x 840 x 298	27	37	240
AC1.5	FIRST FLOOR OFFICE	CEILING CASSETTE	DAIKIN	FTY-P100VEM6	10	11.2	840 x 840 x 298	27	41	240
AC1.6	FIRST FLOOR SMALL OFFICE	CEILING CASSETTE	DAIKIN	FTY-P100VEM6	8.1	10	840 x 840 x 298	27	37	240
BC	FIRST FLOOR OFFICE	BRANCH CONTROLLER	DAIKIN	CMR-M10BY-JA	-	-	911 x 622 x 252	48	-	240
CU1	EXTERNAL COMPOUND	CONDENSER	DAIKIN	PUR-P450YVW-A	44.8	50	1240 x 740 x 1858	289	70	415V 3PH
MC	GROUND FLOOR CLEANER STORE	CEILING CASSETTE	DAIKIN	AE200	-	-	-	-	-	240

AIRFLOW SCHEDULE						
REF	MANUFACTURER	TYPE	AIRFLOW M ³ /S	CONNECTION TYPE	SIZE	FINISH
SG1	GILBERTS	4-WAY BLOW DIFFUSER	0.076	450x450x350 PLENUM C/W 200# SIDE ENTRY SPIGOT	595 x 595	RAL9010
SG2	GILBERTS	4-WAY BLOW DIFFUSER	0.076	450x450x350 PLENUM C/W 200# SIDE ENTRY SPIGOT	595 x 595	RAL9010
SG3	GILBERTS	4-WAY BLOW DIFFUSER	0.076	450x450x350 PLENUM C/W 200# SIDE ENTRY SPIGOT	595 x 595	RAL9010
SG4	GILBERTS	4-WAY BLOW DIFFUSER	0.06	450x450x350 PLENUM C/W 200# SIDE ENTRY SPIGOT	595 x 595	RAL9010
OE1	-	OPEN END	0.228	315# DUCT	315#	-
OE2	-	OPEN END	0.06	200# DUCT	200#	-
RG(45)	GILBERTS	EGG CRATE	-	-	595 x 595	RAL9010

LOUVER SCHEDULE						
REF	MANUFACTURER	TYPE	AIRFLOW M ³ /S	SIZE (W x H)	BUILDERS HOLE SIZE (W x H)	FINISH
WL1	GILBERTS	WEATHER LOUVER	0.047	200 x 200	210 x 210	RAL7022
WL2	GILBERTS	WEATHER LOUVER	0.012	200 x 200	210 x 210	RAL7022
WL3	GILBERTS	WEATHER LOUVER	0.278	500 x 500	510 x 510	RAL9007
WL4	GILBERTS	WEATHER LOUVER	0.278	500 x 500	510 x 510	RAL9007
WL5	GILBERTS	WEATHER LOUVER	0.069	300 x 300	310 x 310	RAL9007
WL6	GILBERTS	WEATHER LOUVER	0.069	300 x 300	310 x 310	RAL9007

EXTRACT GRILLE SCHEDULE						
REF	MANUFACTURER	TYPE	AIRFLOW M ³ /S	CONNECTION TYPE	SIZE	FINISH
AV1	GILBERTS	AIR VALVE	0.02	125# FLEX	125#	RAL9010
AV2	GILBERTS	AIR VALVE	0.021	125# FLEX	125#	RAL9010
AV3	GILBERTS	AIR VALVE	0.006	100# FLEX	100#	RAL9010
AV4	GILBERTS	AIR VALVE	0.006	100# FLEX	100#	RAL9010
AV5	GILBERTS	AIR VALVE	0.006	100# FLEX	100#	RAL9010

UNIT 6 EXTRACT FAN SCHEDULE						
REF	AREA	MANUFACTURER	MODEL	DUTY (W/F)	PRESSURE (PA)	NOISE (dBA)
EF1	GROUND FLOOR LOBBY	VENT-AXIA	ACM100T	0.047	60	22
EF2	FIRST FLOOR LOBBY	VENT-AXIA	ACM100T	0.012	45	22

UNIT 6 HEAT RECOVERY UNIT SCHEDULE						
REF	AREA	MANUFACTURER	MODEL	DUTY (W/F)	SIZE (W x D x H)	WEIGHT (KG)
HRU1	FIRST FLOOR OFFICE	MITSUBISHI	LGH-100-RVX-E	0.278	1144 x 1231 x 404	53
HRU2	FIRST FLOOR SMALL OFFICE	MITSUBISHI	LGH-25-RVX-E	0.069	780 x 735 x 289	22

UNIT 6 GROUND FLOOR PLAN

Line of office above

Office undercroft, open to warehouse.

EXTRACT FAN TO BE CONTROLLED VIA LIGHTING CIRCUIT. WIRED INTO LIGHTING PIR BY ELECTRICIAN.

AC PIPE-WORK TO RUN WITHIN WAREHOUSE CLADDING WALLS AND EXIT THE BUILDING AT LOW LEVEL VIA LETTERBOX HOLE (100x100mm). BUILDERS WORKS TO BE COMPLETE BY MAIN CONTRACTOR.

CONDENSER LOCATED AS PER ARCHITECT SITE PLAN DIMENSIONS. CONDENSER TO SIT ON SUITABLE CONCRETE BASE AS PER DIMENSIONS SHOWN. SLAB TO BE LAID TO FALL TOWARDS BUILDING GRAVEL MARGIN TO AVOID STAGNANT WATER BUILD UP ON OFFICE CAR PARK AND LOADING BAY. ALL BUILDERS WORKS TO BE COMPLETE BY MAIN CONTRACTOR.

AC PIPE-WORK EXITS FIRST FLOOR AND RUNS DOWN OFFICE WHITE WALL TO GROUND FLOOR BELOW LETTERBOX HOLE (100x100mm) TO BE COMPLETE BY MAIN CONTRACTOR.

UNIT 6 FIRST FLOOR PLAN

Drawing Notes:

- All builder's works to be done by main contractor.
- Weather Louvre's trimming, picture framing, weather proofing and making good to be done by main contractor.
- Weather louvre's to be fitted with integral bird mesh.
- Fresh air intake ductwork to be insulated.
- Extract bellmouth to be fitted with wire guard.
- Fire dampers or smoke/fire dampers c/w suitable access doors to be installed at each fire compartment. Dampers to be of the externally resettable type.
- Doors marked **DUC** to be undercut by 10mm to allow for make-up air in toilet areas.
- Extract fans to be controlled via lighting circuit PIR supplied by electrician. Fan complete with overrun timer facility.
- Extract fans to shut down upon activation of fire alarm, power to EF1 and EF2 to be cut from fire panel by electrician.
- Office Vent and A/C system to shut down upon activation of fire alarm. 24 V DC required from fire panel to MC (ground floor cleaners cupboard) by electrician.
- Condensate drainage from indoor units to be run on gravity to local stack and connect via HepVo waterless trap. Drainage to be laid to fall @ 1:40.

C3	MAIN PIPE WORK ROUTE ALTERED	27.03.24	TH
C2	CONDENSER LOCATIONS CONFIRMED BASED ON ARCHITECT SITE PLANS	26.03.24	JW
C1	LOUVER LOCATIONS ADJUSTED TO SUIT STEEL FRAME CLASHES	06.03.24	JW
C0	CONSTRUCTION ISSUE: LOUVER'S RE POSITIONED AS PER ARCHITECT COMMENTS AND SERVICES CO-ORDINATED WITH LIGHTING LAYOUTS	19.02.24	JW
REV	DESCRIPTION	DATE	BY



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ARCHITECT
HALE

CLIENT
A & H CONSTRUCTION

PROJECT
UNIT 6
LOWRY PARK
GRIMSHAW LANE
MANCHESTER
M40 2BA

TITLE
PROPOSED AIR CONDITIONING
AND VENTILATION SERVICES

ESTABLISHMENT

ASSET
N/A

REFERENCE NUMBER

SECURITY CLASSIFICATION

DRAWN
JW

CHECKED
JW

APPROVED

DATE
28/11/23

SCALE
1:75

DRAWING No
GMS-5770-M412

REV.
C3