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)	FUSE RATING (A)
AC1.1	GROUND FLOOR RECEPTION	CEILING CASSETTE	MITSUBISHI	PLFY-P40VEM6	4	5	840 x 840 x 258	19	31	240	6
AC1.2	FIRST FLOOR OFFICE	CEILING CASSETTE	MITSUBISHI	PLFY-P80VEM6	8.1	10	840 x 840 x 298	27	37	240	6
AC1.3	FIRST FLOOR OFFICE	CEILING CASSETTE	MITSUBISHI	PLFY-P80VEM6	8.1	10	840 x 840 x 298	27	37	240	6
AC1.4	FIRST FLOOR OFFICE	CEILING CASSETTE	MITSUBISHI	PLFY-P80VEM6	8.1	10	840 x 840 x 298	27	37	240	6
BC	FIRST FLOOR OFFICE	BRANCH CONTROLLER	MITSUBISHI	CMB-M104V-J	-	-	596 x 476 x 250	26	-	240	6
CU1	EXTERNAL COMPOUND	CONDENSER	MITSUBISHI	PURY-P250YNW-A	25.1	31.5	920 x 740 x 1858	223	64	415V 3PH	25
MC	GROUND FLOOR CLEANER STORE	CEILING CASSETTE	MITSUBISHI	AE200	-	-	-	-	-	240	6

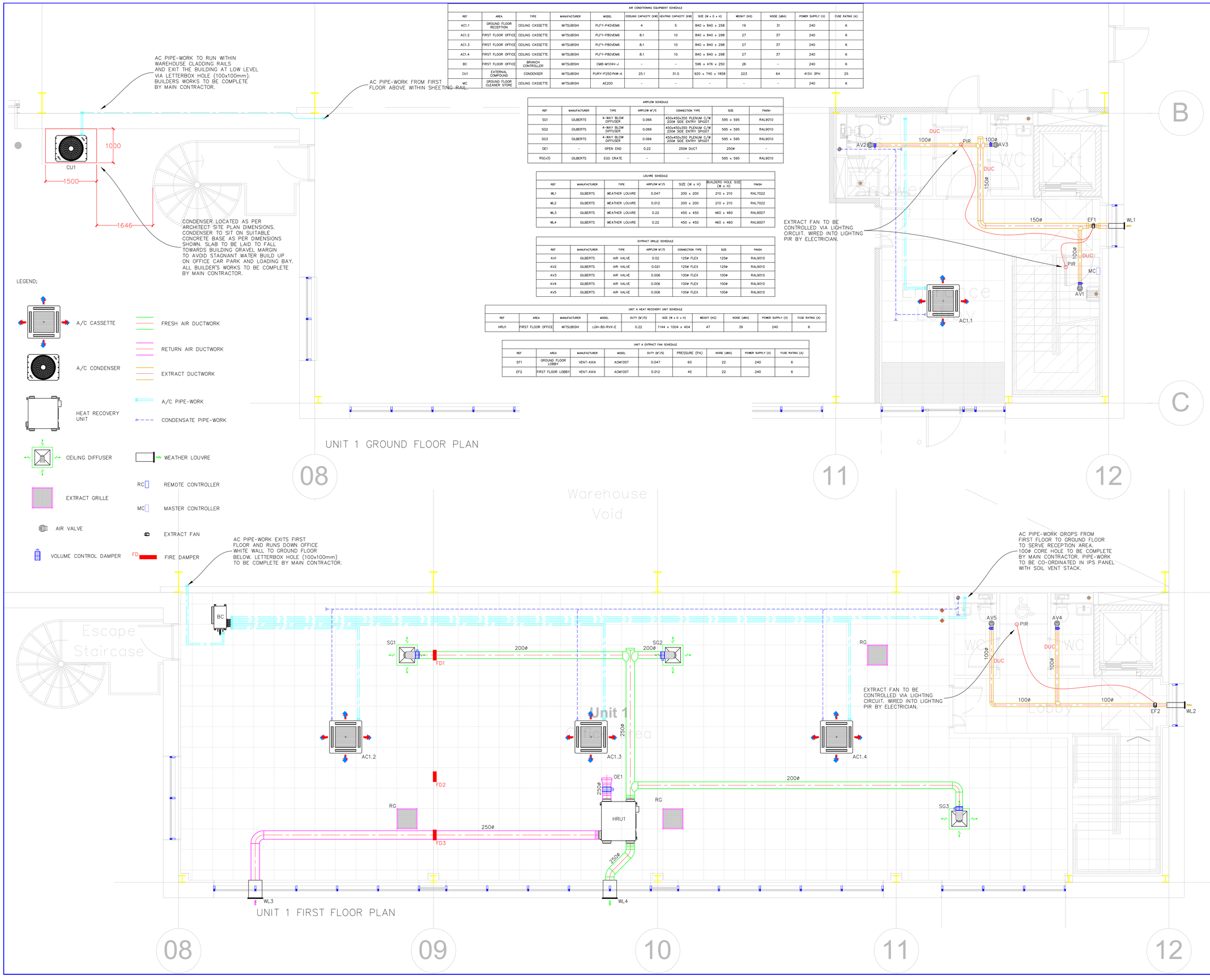
AIRFLOW SCHEDULE						
REF	MANUFACTURER	TYPE	AIRFLOW M^3/S	CONNECTION TYPE	SIZE	FINISH
SG1	GILBERTS	4-WAY BLOW DIFFUSER	0.066	450x450x350 PLENUM C/W 200ø SIDE ENTRY SPIGOT	595 x 595	RAL9010
SG2	GILBERTS	4-WAY BLOW DIFFUSER	0.066	450x450x350 PLENUM C/W 200ø SIDE ENTRY SPIGOT	595 x 595	RAL9010
SG3	GILBERTS	4-WAY BLOW DIFFUSER	0.066	450x450x350 PLENUM C/W 200ø SIDE ENTRY SPIGOT	595 x 595	RAL9010
OE1	-	OPEN END	0.22	250ø DUCT	250ø	-
RG(x3)	GILBERTS	EGG CRATE	-	-	595 x 595	RAL9010

LOUVRE SCHEDULE						
REF	MANUFACTURER	TYPE	AIRFLOW M^3/S	SIZE (W x H)	BUILDERS HOLE SIZE (W x H)	FINISH
WL1	GILBERTS	WEATHER LOUVRE	0.047	200 x 200	210 x 210	RAL7022
WL2	GILBERTS	WEATHER LOUVRE	0.012	200 x 200	210 x 210	RAL7022
WL3	GILBERTS	WEATHER LOUVRE	0.22	450 x 450	460 x 460	RAL9007
WL4	GILBERTS	WEATHER LOUVRE	0.22	450 x 450	460 x 460	RAL9007

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

UNIT A HEAT RECOVERY UNIT SCHEDULE									
REF	AREA	MANUFACTURER	MODEL	DUTY (M^3/S)	SIZE (W x D x H)	WEIGHT (KG)	NOISE (dBA)	POWER SUPPLY (V)	FUSE RATING (A)
HRU1	FIRST FLOOR OFFICE	MITSUBISHI	LGH-80-RVX-E	0.22	1144 x 1004 x 404	47	39	240	6

UNIT A EXTRACT FAN SCHEDULE								
REF	AREA	MANUFACTURER	MODEL	DUTY (M^3/S)	PRESSURE (PA)	NOISE (dBA)	POWER SUPPLY (V)	FUSE RATING (A)
EF1	GROUND FLOOR LOBBY	VENT-AXIA	ACM100T	0.047	60	22	240	6
EF2	FIRST FLOOR LOBBY	VENT-AXIA	ACM100T	0.012	45	22	240	6



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.

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

GMS
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ARCHITECT
HALE

CLIENT
A & H CONSTRUCTION

PROJECT
UNIT 1
LOWRY PARK
GRIMSHAW LANE
MANCHESTER
M40 2BA

TITLE
PROPOSED AIR CONDITIONING AND VENTILATION SERVICES

ESTABLISHMENT

ASSET: N/A
STATUS: FOR CONSTRUCTION

REFERENCE NUMBER

SECURITY CLASSIFICATION

DRAWN	CHECKED	APPROVED
JW	JW	
DATE 28/11/23	DATE	DATE

SCALE: 1:50
ORIGINAL DRAWING SIZE: A1

DRAWING No: GMS-5770-M406
REV.: C3