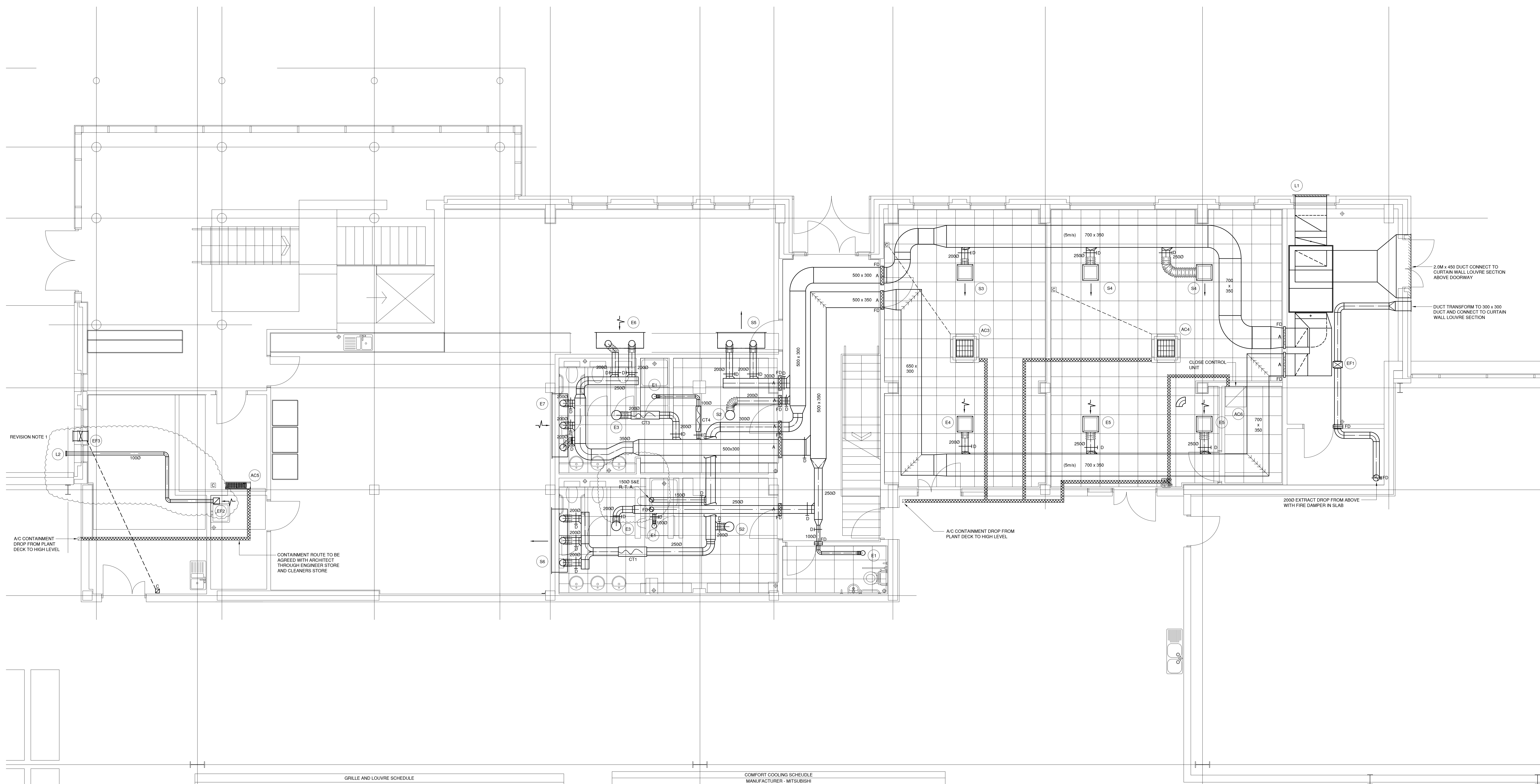




GRILLE AND LOUVER SCHEDULE								
MANUFACTURER - GDL								
REF	No. Off	DUTY/L5	TYPE	SIZE	QTY	PENLUM BOX	THROW	GDL CODE
S1	2	35	AIR VALVE	200X	2480	N/A	-	96E0+1B
S2	2	80	SWIRL	250X	3500	REDUCED TO 2000	1.5	9606+-8
S3	1	100	4-WAY BLOW	250 x 250	400 x 400	2500 SIDE INLET	1.5	S442V+2C
S4	2	130	4-WAY BLOW	300 x 300	450 x 450	2500 SIDE INLET	1.5	S442V+2C
S5	1	170	LINEAR BAR	1500 x 100	1540 x 140	G2 PLENUM 1500 x 100 2 OFF 2000 SPIGOTS	2.0	S3600+-1C
S6	1	230	LINEAR BAR	2000 x 100	2040 x 140	G2 PLENUM 2000 x 100 2 OFF 2000 SPIGOTS	2.0	S3600+-1C
S7	2	125	DOUBLE DEFLECTION	600L x 150H	N/A	DUCT MOUNTED SIDE ENTRY BOAT WITH DAMPER	3.0	S2010C
S8	2	125	DOUBLE DEFLECTION	600L x 150H	N/A	DUCT MOUNTED SIDE ENTRY BOAT WITH DAMPER	3.0	S2010C
S9	1	60				TO BE CONFIRMED.		
S10	1	120				TO BE CONFIRMED.		
E1	3	10	AIR VALVE	1000	1370	N/A	-	96E0+1B
E2	2	45	AIR VALVE	2000	2480	N/A	-	96E0+1B
E3	2	50	SWIRL	250X	3500	REDUCED TO 2000	1.5	9606+-8
E4	1	100	4-WAY BLOW	250 x 250	400 x 400	2000 SIDE INLET	1.5	S442V+2C
E5	2	140	4-WAY BLOW	300 x 300	450 x 450	2500 SIDE INLET	1.5	S442V+2C
E6	1	200	LINEAR BAR	1500 x 100	1540 x 140	G2 PLENUM 1500 x 100 2 OFF 2000 SPIGOTS	2.0	S3600+-1C
E7	1	270	LINEAR BAR	2000 x 1000	2040 x 140	G2 PLENUM 1500 x 100 2 OFF 2000 SPIGOTS	2.0	S3600+-1C
E8	1	60	DOUBLE DEFLECTION	300 x 300	360 x 360	MOUNTED IN MEDIA WALL	N/A	S2010C
E9	1	120	DOUBLE DEFLECTION	300 x 300	360 x 360	MOUNTED IN MEDIA WALL	N/A	S2010C
E10	2	-	MULTI-CONE	450 x 450	495 x 495			E410+-8
E11	1	100	DOUBLE DEFLECTION	200 x 200	260 x 260			S2010C
L1	1	-	EXTERNAL LOUVER	1000 x 1000	1051 x 1051	N/A	N/A	W955+-0C
L2	1	-	EXTERNAL LOUVER	150 x 150	210 x 210	N/A	N/A	W955+-0C
L3	1	180	EXTERNAL LOUVER	400 x 400	460 x 460	N/A	N/A	W955+-0C
L4	1	180	EXTERNAL LOUVER	400 x 400	460 x 460	N/A	N/A	W955+-0C

COMFORT COOLING SOLUTIONS					
SYSTEM REF		INDOOR UNIT	EXTERNAL UNIT	CONTROLS	ANCILLARIES
A61 - PR - ROOM		S20KX60 DUCTED	S20KX60	WALL CONTROLLER -	-
A62 - BOARD ROOM		S20KX60 DUCTED	S20KX60	WALL CONTROLLER -	-
A63 - SAMPLES ROOM		PLP4P0 CASSETTE	P4HP2P00	WALL CONTROLLER -	-
A64 - LABORATORY		PLP4P01 CASSETTE	PH4P2P01	WALL CONTROLLER -	-
A65 - SERVER		PH4P01 WALL	PH4P2P00	WALL CONTROLLER	-
A68 - TEST ROOM		AERIALS WITH EXPOSED UPIFLOW UNIT COMPLETE WITH SUCTION / TRITCOLLE DUTY REFR VALVE AND INCREASE ELECTRICAL HEATER BATTERY		CR12	INTEGRAL ON CALL DISCHARGE FLENUM WITH 3 No. DISCHARGE DEFLECTION GRILLS
HEU1 - PR - BOARD ROOMS		L6865 VENTILATION UNIT	180 LBS @ 100 PA	DUTY	WALL CONTROLLER -

INSTALLATION DETAILS

EACH SYSTEM SHALL BE COMPLETE WITH INTERCONNECTING REFRIGERATION PIPEWORK AND CONTROLS WIRING BETWEEN INDOOR AND EXTERNAL UNITS AND WIRING TO WALL CONTROLLERS.

ALL REFRIGERATION PIPEWORK AND INTERCONNECTING WIRING TO BE SUPPORTED ON GALVANISED CONTAINMENT.

ALL EQUIPMENT SHALL BE SUPPORTED USING UNISTRUT AND DROP RODS. EXTERNAL UNITS SHALL BE SUPPORTED ON CANTILEVER WALL BRACKETS COMPLETE WITH DRIP TRAYS.

INDOOR UNITS SHALL BE COMPLETE WITH ABS PLASTIC CONDENSATE DRAIN PIPES DISCHARGE VIA TRAP INTO THE BUILDING DRAINAGE SYSTEM.

THE ON / OFF OPERATION OF THE A/C SYSTEMS WILL BE GOVERNED BY THE BUILDING SMS (TENDR SYSTEM).

ATTENUATOR SCHEDULE							
MANUFACTURER - ALLWAY ACUSTICS LIMITED							
REF	SYSTEM	CODE	SOFFIC	LENGTH	SIZE	VOLUME	P0
AT1	AHU BUILDING SUPPLY	SPY7	GJ	1200	600 x 400	1.090m/s	30
AT2	AHU BUILDING EXTRACT	SPY7	GJ	1200	600 x 400	1.260m/s	40
AT3	AHU BUILDING INTAKE	SP235B	G	500 x 500	1000 x 400	1.090m/s	31
AT4	AHU BUILDING EXHAUST	SP65	GJ	600	1000 x 400	1.260m/s	21
CT1	CANTEEN SUPPLY	PL	G	900	2500	0.230m/s	5
CT2	FEMALE WC SUPPLY	PL	G	900	2000	0.080m/s	5
CT3	FEMALE WC EXTRACT	PL	G	900	2000	0.090m/s	5
CT4	FEMALE WC EXTRACT	PL	G	900	1000	0.010m/s	5
CT5	BOARD ROOM EXTRACT	PL	G	900	2000	0.090m/s	5
CT6	BOARD ROOM SUPPLY	PL	G	900	2000	0.060m/s	5
CT7	VAM SUPPLY	PL	G	900	2500	0.180m/s	5
CT8	VAM EXTRACT	PL	G	900	2500	0.180m/s	5

EXTRACT FAN SCHEDULE								
REF	No. OFF	MANUFACTURER	MODEL	DUTY	CONTROLS	ANCILLARIES	ELECTRICAL	INSTALLATION DETAILS
EF1	1	VENT-AXIA	ACM 150	75/100 L/S @ 100Pa	VARIABLE SPEED CONTROLLER	FIXING BRACKETS	230V	IN-LINE DUCT MOUNTED AT HIGH LEVEL IN PLANTROOM
EF2	1	VENT-AXIA	SOLO PLUS T	-	WIRED UP LIGHTING CIRCUIT	1000 DUCT	230V	CEILING MOUNTED WITH 1000 DUCT TO WALL LOUVRE
EF3	1	VENT-AXIA	TX6WL	-	T-SERIES	WALL SLEEVE	230V	IN EXTERNAL WALL AT HIGH LEVEL

3-WAY UNIT DISCHARGE PLENUM WITH 12mm EGG-CRATE SUPPLY GRILLES.

PROPOSED CLOSE CONTROL UNIT SUPPLY DUCT INSTALLATION

Health & Safety Comments - New Build
Electricity.
Other Trades.
Working at height.
Manual handling.
Working in confined spaces.
For further details refer to the Principal Designer's Health and Safety Information.

- LEGEND**
- | | |
|---|--|
|  | CEILING SUPPLY / EXTRACT GRILLE |
|  | VENTILATION GRILLE |
|  | FLEXIBLE DUCTWORK (INSULATED) |
|  | VOLUME CONTROL DAMPER |
|  | DUCTWORK FIRE DAMPER (WITH ACCESS) |
|  | DUCT MOUNTED IN-LINE ATTENUATOR |
|  | WALL MOUNTED CONTROLLER |
|  | AIR CONDITIONING CEILING CASSETTE |
|  | PROPOSED ROUTE OF AIR CONDITIONING CONFINEMENT |

F	ACC CONDENSING TUBS UNLOCATED TO PLANT DECK ABOVE OFFICES. REFER TO DRAWING M/MS/0001 REVISION 1 FOR PROPOSED POSITIONS. GRILL SCHEDULE AMENDED FOR GRILLES TO PR ROOM AND BOARDROOM.	M/SH	M/SH	10/08/2017
E	AIRIDEAL UNIT RE-SPECIFIED TO EXHAUST EXHAUST AIR TO REDUCE VOLUME AND INCREASE ELECTRIC HEATER EFFICIENCY. PLINUM TO INCLUDE 3 SEPARATE DOUBLE DEFLECTION GRILLES.	M/SH	M/SH	19/07/2017
D	DUCTWORK SIZES THROUGH SAMPLES AND LABORATORY REVISED FOLLOWING MEETING ON SITE ON 04/07/17 WITH JAMES MENSER AND ARCHITECT. DUCTWORK TO BENCH MOUNTED EXTRACT ALTERNET IN LINE WITH ARCHITECTS REQUIREMENT.	M/SH	M/SH	12/07/2017
C	DUCTWORK ALTERATIONS TO ASSIST IN LABORATORY FOLLOWING MEETINGS 20TH AND 30TH JUNE 2017 WITH MECHANICAL SERVICES CONTRACTOR AND ARCHITECT. BUILDING LAYOUT AMENDED TO SUIT ARCHITECTURAL DRAWINGS.	M/SH	M/SH	3/07/2017
B	ATS AHU INTAKE MODEL & TYPE CHANGED. GRILLES REFERENCES EA & E9 TO BE CONFIRMED. GRILLES SA & S10 ABOVE TYPES TO BE E10 COMMOD ON SCHEDULE. REVISION TO DUCTWORK ROUTE NOTE 1: SETTING OUT DETAIL ABOVE NOTE 3. DUCTWORK RISERS TO FIRST FLOOR FLOOR TIE AMENDED NOTE 2.	M/SH	M/SH	21/06/2017
A	UPDATE TO CONSTRUCTION ISSUE.	M/SH	M/SH	FEB 2017
Rev	Revision	Rev	Rev	Date

STATUS	Construction
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DEVELOPMENT DESIGN



ASSOCIATES

CONSULTING ENGINEERS

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Hazel Grove,
Stockport,
SIXT WFS
Tel: 0161 483 2020
Fax: 0161 456 4884

CLIENT

The Little Greene Paint Company

PROJECT

Ashbury Works, New Office and Factory

DRAWING TITLE

Proposed Mechanical Supply & Extract Ventilation &
Comfort Cooling Installation
Ground Floor Office Building

DRAWN MJSH	DATE January 2016	CHECKED MJSH	DATE January 2016
SCALE 1:50 @ A0	DRAWING No. M1452/M03		REVISION F