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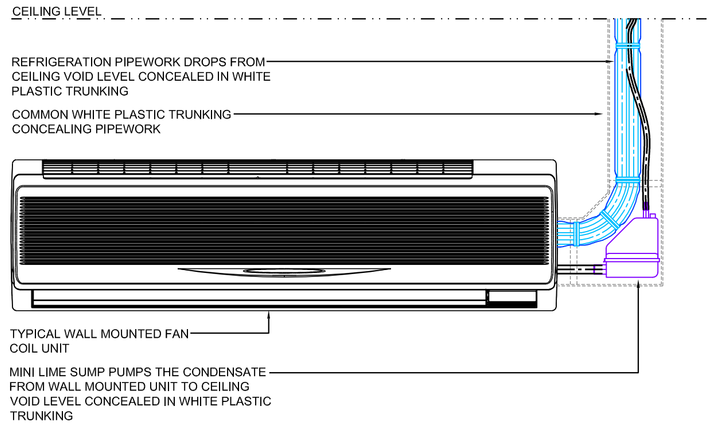
DO NOT SCALE FROM THIS DRAWING

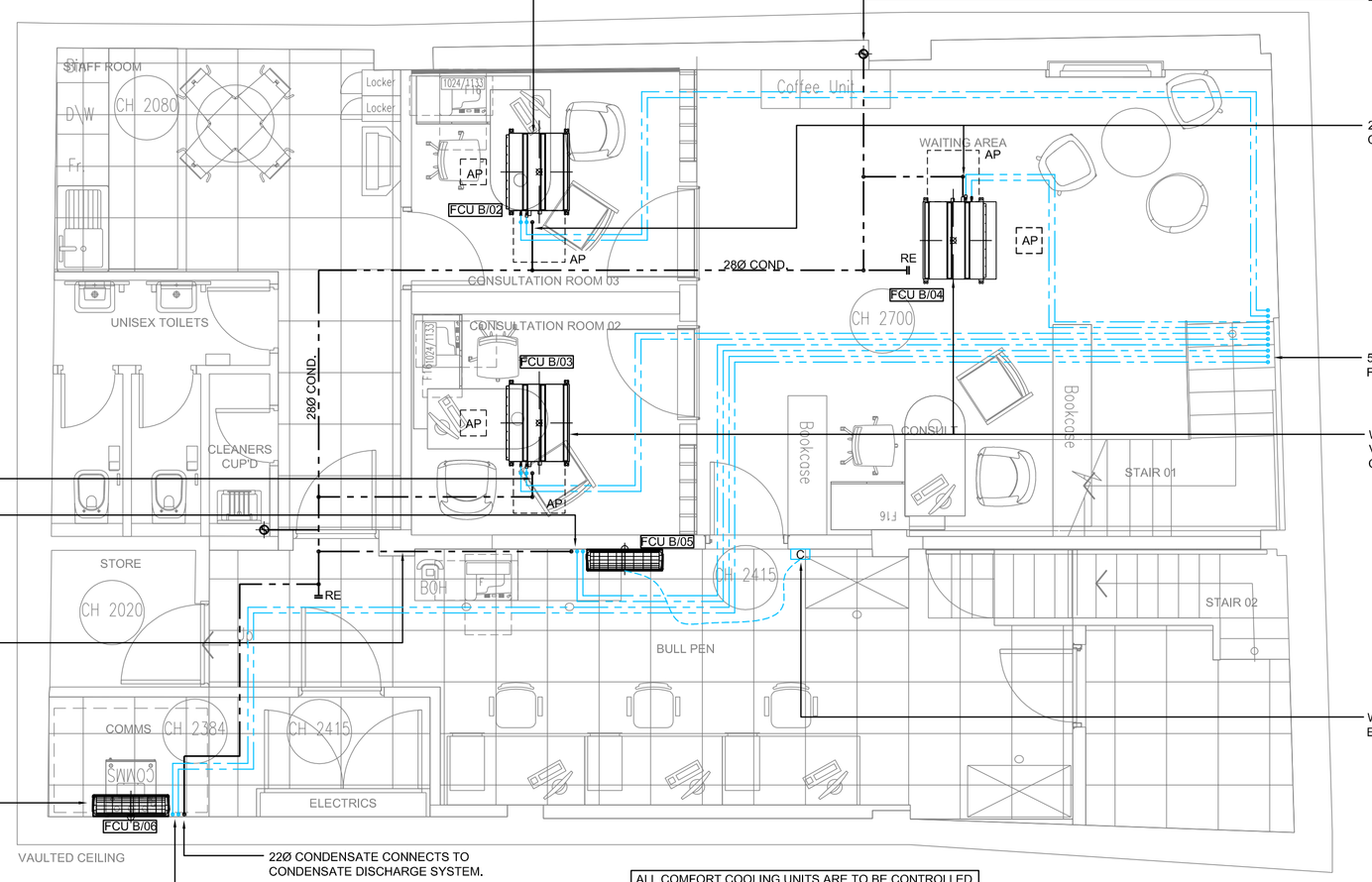
(BASEMENT FLOOR) - SPLIT SYSTEM - FAN COIL UNIT SCHEDULE - MITSUBISHI

INDOOR UNIT REF	INDOOR UNIT MODEL	CONNECTED OUTDOOR MODEL	LOCATION	TC	SC	HTG	AIR FLOW	SOUND	DIMENSIONS			WEIGHT	PIPE CONNS	
				kW	kW	kW	HIGH	HIGH	HEIGHT	WIDTH	DEPTH	kg	LIQUID	GAS
							m³/s	dBa	mm	mm	mm			
FCU B/01			OMITTED											
FCU B/02	PEAD-RP35JAQ	PUHZ-ZRP35VKA2	CONSULTATION ROOM 03	3.30	2.81	3.50	0.233	30	250	732	900	26	1/4"	1/2"
FCU B/03	PEAD-RP35JAQ	PUHZ-ZRP35VKA2	CONSULTATION ROOM 02	3.30	2.81	3.50	0.233	30	250	732	900	26	1/4"	1/2"
FCU B/04	PEAD-RP35JAQ	PUHZ-ZRP35VKA2	WAITING AREA	3.30	2.81	3.50	0.233	30	250	732	900	26	1/4"	1/2"
FCU B/05	PKA-M50HA	PUHZ-ZRP35VKA2	BULL PEN	3.60	3.53	4.10	0.200	43	295	898	249	13	1/4"	1/2"
FCU B/06	PKA-M50HA	PUHZ-ZRP35VKA2	COMMS ROOM	3.60	3.53	4.10	0.200	43	295	898	249	13	1/4"	1/2"



TYPICAL WALL MOUNTED TRUNKING DETAIL

(SCALE N.T.S.)



WALL MOUNTED AC UNIT IS TO BE CONTROLLED VIA ITS INTEGRAL RETURN AIR SENSOR. OVERALL CONTROL IS TO BE VIA RBMS

28Ø CONDENSATE DROPS FROM ABOVE.

22Ø CONDENSATE CONNECTS TO CONDENSATE DISCHARGE SYSTEM.

5No SETS OF DX REFIGERATION PIPEWORK SPLIT SYSTEM DROPS FROM ABOVE AND RUNS AT HIGH LEVEL WITHIN THE CEILING VOID.

WALL MOUNTED AC UNIT IS TO BE CONTROLLED VIA ITS INTEGRAL RETURN AIR SENSOR. OVERALL CONTROL IS TO BE VIA RBMS

22Ø CONDENSATE CONNECTS WITH EXISTING CONDENSATE DISCHARGE SYSTEM.

DX REFRIGERATION PIPEWORK DROPS FROM CEILING VOID LEVEL TO WALL MOUNTED UNIT LEVEL. CONDENSATE PIPEWORK RISES FROM WALL MOUNTING UNIT LEVEL TO CEILING VOID VIA MINILIME SUMP PUMP. ALL EXPOSED PIPEWORK AND SUMP PUMP ARE TO BE CONCEALED WITHIN PLASTIC TRUNKING. (REFER TO WALL MOUNTED TRUNKING DETAIL).

22Ø CONDENSATE CONNECTS TO CONDENSATE DISCHARGE SYSTEM.

WALL MOUNTED REMOTE CONTROLLER EQUIPMENT IS TO BE CONTROLLED VIA RBMS

WALL MOUNTED AC UNIT IS TO BE CONTROLLED VIA ITS INTEGRAL RETURN AIR SENSOR. OVERALL CONTROL IS TO BE VIA RBMS

22Ø CONDENSATE CONNECTS TO CONDENSATE DISCHARGE SYSTEM.

DX REFRIGERATION PIPEWORK DROPS FROM CEILING VOID LEVEL TO WALL MOUNTED UNIT LEVEL. CONDENSATE PIPEWORK RISES FROM WALL MOUNTING UNIT LEVEL TO CEILING VOID VIA MINILIME SUMP PUMP. ALL EXPOSED PIPEWORK AND SUMP PUMP ARE TO BE CONCEALED WITHIN PLASTIC TRUNKING. (REFER TO WALL MOUNTED TRUNKING DETAIL).

ALL COMFORT COOLING UNITS ARE TO BE CONTROLLED VIA THE MANUFACTURERS RESPECTIVE TEMPERATURE SENSOR EQUIPMENT/REMOTE CONTROLLER EQUIPMENT AND NOT DUCT MOUNTED RETURN AIR SENSORS.

AP — DONATES 600 x 600 ACCESS PANEL REQUIRED TO SIDE OF FCU

AP — DONATES 300 x 300 ACCESS PANEL REQUIRED TO THE FRONT OF FCU

GENERAL NOTES

REFRIGERATION PIPEWORK

THE INDOOR AND OUTDOOR UNITS WILL BE INTERCONNECTED WITH REFRIGERATION QUALITY PIPEWORK FULLY ANNEALED AND INTERNALLY DEGREASED AND CLEANED TOGETHER WITH BRAZE FITTINGS.

THE INSTALLATION WILL ALSO BE FIXED TO CONTAINMENT TRAY WORK OR SYSTEM WITH RESILIENT CLIPS TO PREVENT VIBRATION TRANSMISSION AND TO ALLOW MOVEMENT OF PIPELINES.

PIPEWORK INSULATION

ALL PIPEWORK (SUCTION, DISCHARGE AND LIQUID) TO BE INSULATED WITH SLIP ON CLOSE CELL ELASTOMERIC PIPE INSULATION (AS MANUFACTURED BY ARMAFLEX OR EQUAL AND APPROVED), WITH A FIRE PERFORMANCE CLASS 'O' OF THE BUILDING REGULATIONS 1985, WITH A WALL OF THICKNESS OF NOT LESS THAT 13mm. INSULATION MUST BE PROTECTED WHEN EXPOSED TO ATMOSPHERE BY SPECIAL PAINT OR COVERED BY AN ENCLOSURE.

ALL INSULATION JOINTS, AFTER PRESSURE AND LEAK TESTING, ARE TO BE PROPERLY GLUED AND OR TAPED TO PROVIDE A COMPLETE SEAL TO PREVENT ANY CONDENSATION, AND SHOULD BE CLEARLY MARKED (YELLOW TAPE) FOR EASE OF IDENTIFICATION.

PIPEWORK PRESSURE TESTING AND REFRIGERANT CHARGING

AFTER INSTALLATION OF PIPEWORK, PRIOR TO CONNECTION TO THE CONDENSING UNITS, SEALING OF INSULATION JOINTS AND STARTING OF EQUIPMENT THE SYSTEM WILL BE PRESSURE TESTED USING OXYGEN FREE DRY NITROGEN FOR 24 HOURS AND CHECKED FOR LEAKS. CONDENSING UNITS WILL THEN BE CONNECTED AND THE SYSTEM VACUUMED/DEHYDRATED AND HELD AT THAT SETTING FOR 1 HOUR (MINIMUM) TO 4 HOURS DEPENDING ON PIPE LENGTH. ALL OF THE ABOVE WORKS WILL BE CARRIED OUT BEFORE ELECTRICAL CONNECTION IS MADE TO THE UNITS.

CONDENSATE DRAINAGE SYSTEM

A PIPEWORK SYSTEM FOR CONDENSATE REMOVAL FROM INTERNAL EVAPORATOR UNITS WILL BE PUMPED AND ROUTED TO CONNECT INTO THE NEAREST AVAILABLE COMMON CONDENSATE SYSTEM AND DISCHARGED BY GRAVITY TO THE NEAREST SVP VIA TRAP AND TUNDISH.

CONDENSATE PIPEWORK AND FITTINGS WILL BE COPPER PIPEWORK TO BS 2871 TABLE X.

Rev	Date	Description	By
B	31/07/17	DRAWING AMENDED IN ACCORDANCE WITH REVISED ARCHITECTURAL LAYOUTS DATED 28/07/17 AND REVISED CONTROLS METHODOLOGY	CJH
A	12/05/17	DRAWING AMENDED IN ACCORDANCE WITH STYLES & WOOD COMMENTS RECEIVED 10/05/2017.	MM
-	04/05/17	INITIAL ISSUE	CJH

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Project: 154-155 TOTTENHAM COURT RD LONDON, W1T 7NG

Title: BASEMENT FLOOR PROPOSED COMFORT COOLING LAYOUT

Drawing Status: **APPROVAL**

Designed by	Date	Project No
C.J.H.	APR'17	UT600
Drawn by A.P.	Scales @ A1 1:50	

Drawing Number: 50 BF 200

Rev: B