

AIR SOURCE HP SCHEDULE

HP1	MITSUBISHI HEAVY INDUSTRIES QTON WATER HEATING ESA30EH 30kW
HP2	KEYTER KWPC4500, HEATING MODE RATED HEAT OUTPUT 351 kW
OD1.	LG MULTI V ARUM260LTES, 26 HP COOLING MAX PIPE LENGTH - 100m
OD2.	LG MULTI V ARUM180LTES, 18 HP COOLING MAX PIPE LENGTH - 100m

CONDENSER SCHEDULE

AC INDOOR UNIT SCHEDULE

AC1	LG ARNU05GTRB4 VRF 4 WAY MINI CEILING CASSETTE GALVANISED STEEL PLATE CASING, BODY 570x214x570mm COOLING CAPACITY: 1.6 kW HEATING CAPACITY: 1.8 kW POWER Ø/V/Hz : 1/220-230-240/50-60
AC2	LG ARNU12GTRB4 VRF 4 WAY MINI CEILING CASSETTE GALVANISED STEEL PLATE CASING, BODY 570x214x570mm COOLING CAPACITY: 3.6 kW HEATING CAPACITY: 4.0 kW POWER Ø/V/Hz : 1/220-230-240/50-60
AC3	LG ARNU15GTQB4 VRF 4 WAY MINI CEILING CASSETTE GALVANISED STEEL PLATE CASING, BODY 570x256x570mm COOLING CAPACITY: 4.5 kW HEATING CAPACITY: 5.0 kW POWER Ø/V/Hz : 1/220-230-240/50-60
AC4	LG ARNU18GTQB4 VRF 4 WAY MINI CEILING CASSETTE GALVANISED STEEL PLATE CASING, BODY 570x256x570mm COOLING CAPACITY: 5.6 kW HEATING CAPACITY: 6.3 kW POWER Ø/V/Hz : 1/220-230-240/50-60

GENERAL BUILDING NOTES

ALL CONTROLS FOR MECHANICAL AND ELECTRICAL SERVICES SYSTEMS WILL BE IN COMPLIANCE WITH IRISH BUILDING REGULATIONS.

ALL INSULATION TO PIPES AND DUCTS WILL COMPLY WITH DOMESTIC BUILDING SERVICES COMPLIANCE GUIDE.

COMMISSIONING OF FIXED BUILDING SERVICES TO BE IN ACCORDANCE WITH CIBSE COMMISSIONING CODE M: COMMISSIONING MANAGEMENT - REFER TO PARAGRAPHS 3.44 - 3.46

AIR LEAKAGE TESTING FOR DUCTWORK SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE PROCEDURES GIVEN IN B8ES DW/143

A NOTICE IN WRITING WILL BE GIVEN TO BUILDING CONTROL AND THE BUILDING OWNER NOT MORE THAN 5 DAYS AFTER COMPLETION STATING THE FIXED BUILDING SERVICES HAVE BEEN PROPERLY COMMISSIONED AND SIGNED BY A SUITABLY QUALIFIED PERSON

A NOTICE IN WRITING WILL BE GIVEN TO THE BUILDING OWNER NOT MORE THAN 5 DAYS AFTER COMPLETION OF THE WORK, GIVING SUFFICIENT INFORMATION ON THE OPERATIONAL AND MAINTENANCE REQUIREMENTS OF THE FIXED BUILDING SERVICES

A NOTICE IN WRITING WILL BE GIVEN TO BUILDING CONTROL STATING THE REQUIREMENTS HAVE BEEN MET

A NEW OR UPDATED LOGBOOK SHALL BE PROVIDED TO THE BUILDING OWNER UPON COMPLETION IN THE FORMAT GIVEN IN CIBSE TM 31 OR EQUIVALENT

EQUIPMENT SCHEDULE

SF01	KITCHEN SUPPLY FAN VENT AXIA ACM150 INLINE MIXED FLOW FAN DUTY: 60 L/S PRESSURE: 50Pa
EF01	KITCHEN EXTRACT FAN VENT AXIA ACM150 INLINE MIXED FLOW FAN DUTY: 60 L/S PRESSURE: 50Pa
EF02	LAUNDRY EXTRACT FAN VENT AXIA ACM150 INLINE MIXED FLOW FAN DUTY: 66 L/S PRESSURE: 50Pa
EF03	BIN STORE EXTRACT FAN VECTAIRE RMS150 SINGLE CENTRIFUGAL ROOF MOUNTED FAN DUTY: 108 L/S PRESSURE: 150Pa
AHU1	WOLF GBMH AIR HANDLING UNIT DUTY 2.963m³/s SUPPLY & EXTRACT @ 450Pa DIMENSIONS: 4374mm(L) x 2542(W) x 2744mm(H)
MVHR1	VECTAIRE STUDIO UNIT, WITH SUMMER BYPASS AND FROST STAT, MAX 59 L/S CAPACITY
CWST	COLD WATER STORAGE TANK 30,000 LITRES
C1	FLAMCO FLEXTHERM PS 1500 HOT WATER STORAGE VESSEL, MAX WORKING PRESSURE 3bar, MAX WORKING TEMPERATURE +95 °C, TO COME WITH INSULATION JACKET 100mm

WHERE VENTILATION OR AIR CONDITIONING DUCTWORK PASSES THROUGH A FIRE SEPARATING ELEMENT IT SHALL COMPLY WITH AN APPROPRIATE METHOD FOR MAINTAINING THE FIRE RESISTANCE OF THE WALL, FLOOR OR BARRIER GIVEN IN BS 9999: 2008.

VENTILATION PIPEWORK/DUCTWORK RUNNING VERTICALLY IN A ROOFSpace SHALL BE COMPLETE WITH A CONDENSATION TRAP. DRAINAGE FOR CONDENSATE (WHERE APPLICABLE) SHALL COMPLY WITH IRISH BUILDING REGULATIONS.

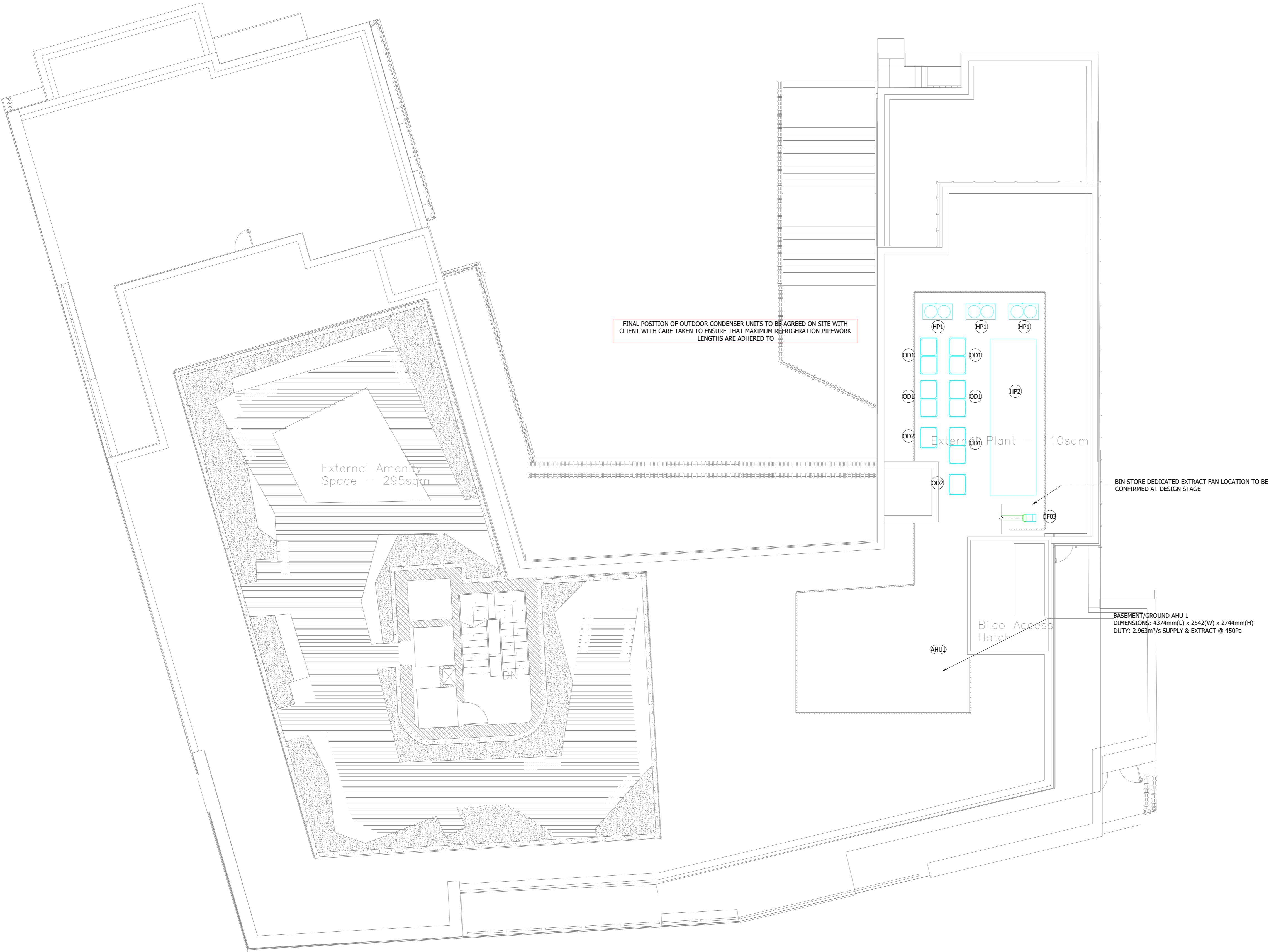
WHERE A PIPE PASSES THROUGH A FIRE SEPARATING ELEMENT AND IS OF A GREATER DIAMETER THAN THOSE OUTLINED IN SUITABLE IRISH BUILDING REGULATIONS IT SHALL BE PROVIDED WITH A SUITABLE PROPRIETARY SEALING SYSTEM WHICH HAS BEEN SHOWN BY TEST TO MAINTAIN THE FIRE RESISTANCE OF THE FIRE SEPARATING ELEMENT. ALL IN ACCORDANCE WITH IRISH BUILDING REGULATIONS.

THE INSTALLATION(S) SHALL COMPLY WITH ALL THE RELEVANT STATUTORY REQUIREMENTS AND REGULATIONS WHICH INCLUDE THE FOLLOWING:

- THE HEALTH AND SAFETY AT WORK ACT, ETC.
- REGULATIONS UNDER THE ELECTRICITY ACTS.
- THE CLEAN AIR ACT.
- CONTROL OF POLLUTION ACT.
- ENERGY CONSERVATION ACT.
- REGULATIONS UNDER THE FACTORIES ACT.
- THE BUILDING REGULATIONS.
- THE I.E.E. WIRING REGULATIONS FOR ELECTRICAL INSTALLATIONS.
- IRISH WATER REGULATIONS.
- CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS (CDM).
- GAS SAFE REGULATIONS.
- ANY SPECIAL REQUIREMENTS OF THE LOCAL ELECTRICITY, WATER UNDERTAKING AND FIRE FIGHTING AUTHORITY.
- DCLG PUBLICATION "DOMESTIC HEATING, COOLING & VENTILATION COMPLIANCE GUIDE".

LEGEND

- VENT SUPPLY
- VENT EXTRACT



REV	DESCRIPTION	DRN	CKD	DATE
DYNAMIC DESIGN CONSULTANTS MECHANICAL & ELECTRICAL ENGINEERS				
7A Dromore Street, Barnbridge, Co. Down BT32 4BS				
T: +44 28 4062 3377 E: info@dynamicdesign.org				
CLIENT				
BLACKPITTS RESIDENCE UNLIMITED				
PROJECT				
BLACKPITTS STUDENT HOUSING DUBLIN				
PROJECT No.				
4994				
DRAWING TITLE				
PROPOSED ROOF PLANT LAYOUT				
DATE	SCALE	DRAWN	CHECKED	
JUL'25	1:100	JM	DoB	