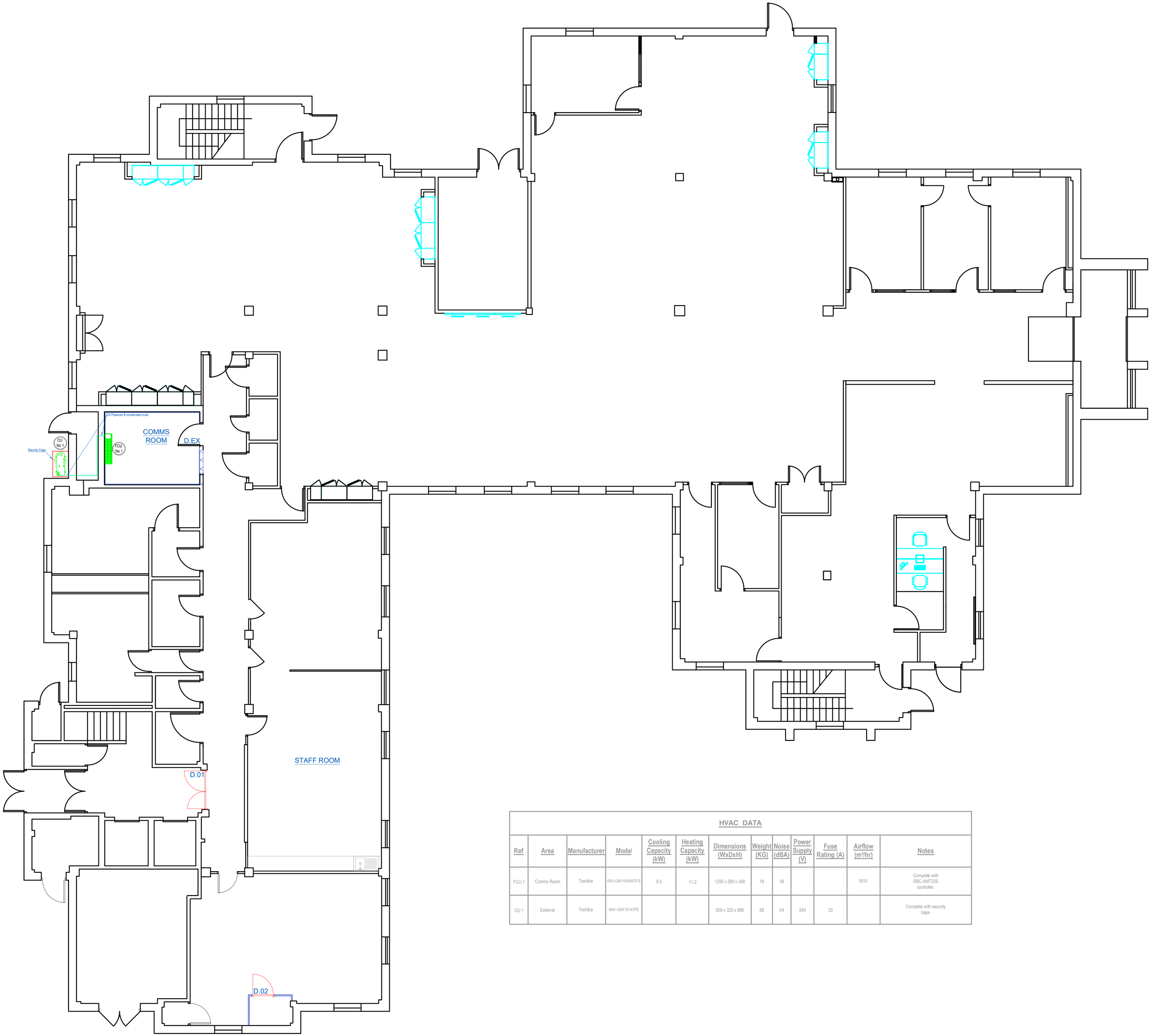


HVAC Notes

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION.
2. ALL MECHANICAL DUCTWORK TO BE INSTALLED WITH FIRE DAMPERS THROUGH FIRE WALLS AND ALL FLOORS. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
3. FIRE DAMPERS TO SATISFY BS EN:13501-3 WITH MINIMUM FIRE RESISTANCE OF 60 MINUTES.
4. ACCESS HATCHES ARE TO BE PROVIDED TO SERVICE ALL FIRE DAMPERS / VCDS
5. MAXIMUM PERMISSIBLE LENGTH OF FLEXIBLE DUCTWORK UTILISED MUST NOT EXCEED 0.3 METERS.
6. THE MECHANICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE CONTROL WIRING BETWEEN THE PIR'S AND EXTRACT FANS.
7. THE MECHANICAL CONTRACTOR IS TO CONFIRM LOUVRE SIZES PRIOR TO ORDERING/INSTALLATION.
8. DRAWINGS ARE SCHEMATIC IN NATURE. ALLOW FOR ADDITIONAL BENDS TO TAKE INTO ACCOUNT SITE OBSTACLES AND BUILDING CONSTRAINTS.
9. ALL VENTILATION TO BE INSTALLED IN ACCORDANCE WITH WITH DW 144 AND DW172 STANDARDS.
10. ALL MECHANICAL DUCTWORK TO INCLUDE VOLUME CONTROL DAMPERS FROM MAIN BRANCHES TO ALLOW FOR APPROPRIATE BALANCING AND COMMISSIONING.
11. ALL REFRIGERANT PIPEWORK RUN INTERNALLY SHALL BE SUPPORTED AT 1.5M CENTERS USING HYDRA-ZORD INSULATED CLIPS & ALUMINUM CHANNEL TO A/C SPECIALIST APPROVAL.
12. REFRIGERANT PIPEWORK AND ROUTES TO BE DETERMINED BY SPECIALIST WITH MOST SUITABLE ROUTE AGREED ON SITE.
13. ALL REFRIGERANT PIPEWORK SHALL BE PROVIDED WITH CLASS 'O' THERMAL INSULATION.
14. ALL DRAINAGE PIPEWORK IS LAGGED.
15. AC DRAINAGE PIPEWORK TO BE INSTALLED WITH HEPVO WATERLESS TRAP'S.
16. ALLOW FOR CONDENSATE DRAINAGE PUMPS IF REQUIRED.
17. FIRE DAMPERS TO BE OUT OF AIRSTREAM TYPE AND BE BY ACTION AIR OR EQUAL APPROVED.
18. ALL A/C PLANT AND EQUIPMENT, CONTROLS AND SENSORS TO BE PROVIDED BY A/C SPECIALIST.
19. ALL MECHANICAL PLANT TO SHUTDOWN ON FIRE ALARM ACTIVATION.
20. DUCTWORK TO BE INSULATED WITH 25MM FOIL BACK INSULATION

DWS Notes

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION.
2. THE DOMESTIC WATER INSTALLATION SHALL COMPLY WITH THE WATER SUPPLY (WATER FITTINGS) REGULATIONS 1999 & RELEVANT BRITISH STANDARDS.
3. ALL HOT & COLD PIPEWORK TO BE INSULATED IN ACCORDANCE WITH BS 5422: 2009.
4. ALL VALVED HOT & COLD PIPEWORK WITHIN VOIDS TO HAVE SUITABLE ACCESS PROVISION.
5. PROVIDE BALLOFIX ISOLATION & SERVICE VALVES TO ALL OUTLETS TO FACILITATE EFFECTIVE ISOLATION FOR MAINTENANCE PURPOSES.
6. ALL FINAL CONNECTIONS TO DOMESTIC WATER OUTLETS TO BE IN 15mmØ UNLESS OTHERWISE STATED.
7. TMV 2'S TO BE INSTALLED TO ALL SINKS AND BASINS.
8. TMV'S ARE TO HAVE INTEGRAL NON RETURN VALVE AND STRAINER.
9.
10. WHERE SERVICES PASS THROUGH A FIRE WALL FIRE DAMPERS AND PIPEWORK FIRE COLLARS ARE TO BE INSTALLED TO MAINTAIN FIRE INTEGRITY.
11. SAFETY VALVES ARE TO DISCHARGE INTO A TUNDISH AND INTO THE LOCAL DRAINAGE.
12. ALL ABOVE GROUND DRAINAGE TO CONNECT TO BELOW GROUND DRAINAGE SYSTEM.
13. DRAINAGE PIPEWORK TO RUN IN UPVC (UNLESS OTHERWISE STATED) AND BE IN ACCORDANCE WITH BS 4514.
14. ABOVE GROUND DRAINAGE INSTALLATION TO BE INSTALLED IN ACCORDANCE WITH BS EN 12056-2: 2000, BS EN 806-4:2010 AND BUILDING REGULATION APPROVED DOCUMENT H (DRAINAGE AND WASTE DISPOSAL).
15. PROVIDE RODDING POINTS TO BASE OF EACH DRAINAGE STACK.
16. BOTTLE TYPE ANIT-SIPHON TRAPS WITH CLEANING EYE TO BE INSTALLED TO ALL WASH HAND BASINS.
17. AIR ADMITTANCE VALVE TO BE FITTED TO THE STUB STACK INSTALLATIONS AND SITED ABOVE FLOOD LEVEL OF HIGHEST WATER OUTLET:- STUB STACKS TO BE BOXED IN COMPLETE WITH AIR HOLES AND ACCESS HATCH TO VALVE
18. FIRE STOP AND INSTALL FIRE COLLARS AROUND DRAINAGE PIPES, STUB STACKS & SVPS WHERE THEY PASS BETWEEN CEILINGS/FLOORS/WALLS. ALL PENETRATIONS THROUGH FIRE RESISTANT COMPARTMENT STRUCTURE TO HAVE INTUMESCENT COLLARS/FIRE DAMPERS TO MAINTAIN FIRE INTEGRITY.
19. DRAWINGS ARE SCHEMATIC IN NATURE. ALLOW FOR ADDITIONAL BENDS TO TAKE INTO ACCOUNT SITE OBSTACLES AND BUILDING CONSTRAINTS
20. ENSURE FOUL WASTE RUNS EXCEED A 18mm PER METER GRADIENT ALONG ITS LENGTH.
21. INSTALL HEPVO TRAPS TO A/C DRAINAGE PIPEWORK

HVAC DATA

Ref	Area	Manufacturer	Model	Cooling Capacity (kW)	Heating Capacity (kW)	Dimensions (WxDxH)	Weight (KG)	Noise (dBA)	Power Supply (V)	Fuse Rating (A)	Airflow (m³/hr)	Notes
FCU 1	Comms Room	Toshiba	RAV-GM1101KRTP-E	9.5	11.2	1200 x 280 x 348	19	49			1610	Complete with RBC-AMT32E controller.
CU 1	External	Toshiba	RAV-GM1101ATPE			900 x 320 x 890	68	54	240	20		Complete with security cage.

REV	AMENDMENTS	DRAWN	CHECKED	APPROVED	DATE
REV	AMENDMENTS	DRAWN	CHECKED	APPROVED	

CLIENT
Resolution Interiors

PROJECT
DWP, Merthyr Tydfil

TITLE
Proposed Comms Room A/C

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. WAREHAM
T:0800 0189941 E:project@cool-tec.co.uk
www.cool-tec.co.uk

DRAWING NUMBER
LB623

SCALE
1:75 @ A1

STATUS
Preliminary

REVISION
1

DO NOT SCALE