



**NOTES:-**

1. ALL HEIGHT/DIMENSIONS TO BE CHECKED BY MECHANICAL SERVICES SUB-CONTRACTOR PRIOR TO ANY COMMENCEMENT OF MANUFACTURE OR INSTALLATION OF ANY PIPEWORK OR DUCTWORK. ANY DIMENSIONAL DISCREPANCIES TO BE REPORTED TO ENGINEER. ALL MECHANICAL SERVICES TO BE INSTALLED AS HIGH AS STRUCTURE WILL ALLOW & TO BE FULLY CO-ORDINATED WITH ALL OTHER NEW & EXISTING BUILDING SERVICES
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT & UP TO DATE DESIGNERS, STRUCTURAL ENGINEERS & BUILDING SERVICES DRAWINGS & DETAILS
3. ALL MECHANICAL SERVICES CONTROL WIRING TO BE CARRIED OUT BY MECHANICAL CONTRACTOR
4. ACCESS PANELS TO BE PROVIDED BY THE SHOPFITTER IN SOLID CEILINGS WHERE SHOWN. MECHANICAL CONTRACTOR TO MARK FINAL POSITIONS OF ACCESS PANELS & ENSURE ACCESS TO UNITS & ANCILLARY ITEMS IS ACHIEVABLE
5. ACCESS HOLES IN DUCTWORK SHOULD BE FITTED AS FOLLOWS:  
EVERY 13M FOR DUCTWORK OF 600x300  
EVERY 3M FOR SMALLER DUCTWORK  
EVERY 7.5M FOR CIRCULAR DUCTWORK
6. CONDENSATE DRAIN FROM INTERNAL A/C UNITS SHOWN **THIS** TO BE TRAPPED/PUMPED, & RUN TO NEAREST RWP ROUTE TO BE DETERMINED ON SITE
7. DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE VERIFIED ON SITE.
8. COMFORT COOLING AND HEATING DESIGN. COOLING AND HEATING TO GENERAL SALES AND FITTING ROOMS VIA DX HEAT PUMP UNITS, OPERATED VIA TIMECLOCK AND WIRED REMOTE CONTROLLERS, TO MAINTAIN 22°C SUMMER (30°C AMBIENT), AND 21°C WINTER (-3°C AMBIENT). HEATING PROVIDED TO STAFF ROOM AND OFFICE, TO MAINTAIN 19°C (-3°C AMBIENT), VIA ELECTRIC CONVECTORS, CONTROLLED VIA INTEGRAL THERMOSTATS AND TIMECLOCKS. NO OTHER SOURCE OF FUEL AVAILABLE.
9. ALL HVAC TO BE LINKED TO FIRE ALARM PANEL. ON ACTIVATION ALL PLANT TO SHUT DOWN.
10. ALL SYSTEMS TO BE COMMISSIONED IN ACCORDANCE WITH CIBSE CODES OF PRACTICE FOR COMMISSIONING
11. REFRIGERANT PIPEWORK AND POWER/CONTROL CABLING SHOWN SINGLE LINE FOR CLARITY
12. SUPPLY AIR DUCTWORK TO THERMALLY INSULATED AND VAPOUR SEALED

**LEGEND:-**

- AP - ACCESS PANEL IN DUCTWORK
- FD - FIRE DAMPER
- SMD - SMOKE DAMPER
- ID - ISOLATION DAMPER
- LLD - LOW LEAKAGE DAMPER
- GTD - GAS TIGHT DAMPER
- VCD - VOLUME CONTROL DAMPER
- FC - FLEXIBLE CONNECTION
- CW - COMPLETE WITH
- WM - WIRE MESH
- AV - ANTI-VIBRATION MOUNTS
- NV - NATURAL VENTILATION
- DPS - DIFFERENTIAL PRESSURE SWITCH
- DS - DUCT STAT
- FS - FROST STAT
- BD - BUTTERFLY DAMPER
- T - TEMPERATURE SENSOR
- SD - SMOKE DAMPER
- TB - TO BELOW
- FA - FROM ABOVE
- TA - TO ABOVE
- FB - FROM BELOW
- HL - HIGH LEVEL
- LL - LOW LEVEL
- AH - ACCESS HATCH IN CEILING
- NO FLANGES DUCTWORK
- FIRE RATED DUCTWORK

| Rev  | Description | Date |
|--|-------------|------|
| <b>E+MTECNICA</b>  |             |      |
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| Project<br><b>FRENCH CONNECTION PLC<br/>           UNIT 2, BRUNSWICK CENTRE<br/>           LONDON</b>  |             |      |
| Title<br><b>MECHANICAL SERVICES LAYOUT</b>   |             |      |
| Status<br><input type="radio"/> INFORMATION <input checked="" type="radio"/> TENDER <input type="radio"/> CONSTRUCTION   |             |      |
| Date<br><b>JULY'06</b>   |             |      |
| Scale<br><b>1:50 @ A1</b>  |             |      |
| Xref<br><b>05018_PLN_103 proposed ceiling</b>  |             |      |
| Drawn by<br><b>SJ</b>  |             |      |
| Checked by<br><b>rg</b>  |             |      |
| Drawing No<br><b>1776/M/01</b>   |             |      |