

Ventilation, air-conditioning and comfort cooling

To facilitate this ambition of getting the quality right, these checks should take place:

- Check the pumps or fan coil condensate trays have adequate drainage system with sufficient fall
- Has the correct refrigerant been used in the system?
- Check system charge is measured correctly and correct installation / orientation of Y joints on VRF / VRV systems
- Flexible ductwork lengths needs to be kept to a minimum with correct hangers and where possible fitted last to avoid damage from following trades
- Independently support plenum boxes
- Ensure ductwork access hatches have been provided as specification and are unobstructed allowing access for future internal cleaning purposes and resetting of fire dampers
- Check fire dampers are fixed correctly and are integral to the structure. Check positions of fire dampers are correct with the fire strategy
- Check condensing units suitably positioned to receive sufficient airflow
- Check if the ductwork requires pressure testing
- Is plant and ductwork positioned so that access is available to all sides for fitting bolts and frame clamps?
- Ensure ductwork has flanges of appropriate thickness of larger sizes of ductwork
- Ensure support drop rods are cut back and capped
- Ensure insulation is fitted between duct and steel support bracketry on insulated ductwork

Notes: These notes should be read in conjunction with the appropriate regulations booklets as follows:

- DW141 Manufacture guidelines
- DW142 Installation method guidelines
- DW144 Air conditioning guidelines

Our Quality vision:

We will get it right first time on all our projects
by delivering exceptional customer service

