

MEP Installation Best Practices

PROJECT TITLE: HVAC REFURBISHMENT

CLIENT: DEPUTY HIGH COMMISSION OF CANANDA,

LAGOS.

DOCUMENT TITLE: MECHANICAL GOOD PRACTICE

PROJECT NO: M374

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Mechanical – Piping Support System





Thermal bridge broken as lagging not carried through, hence pipe in contact with steel bracket directly.







Phenolic block used at pipe bracket, with insulation connected with vapour barrier seal to ensure no thermal bridge

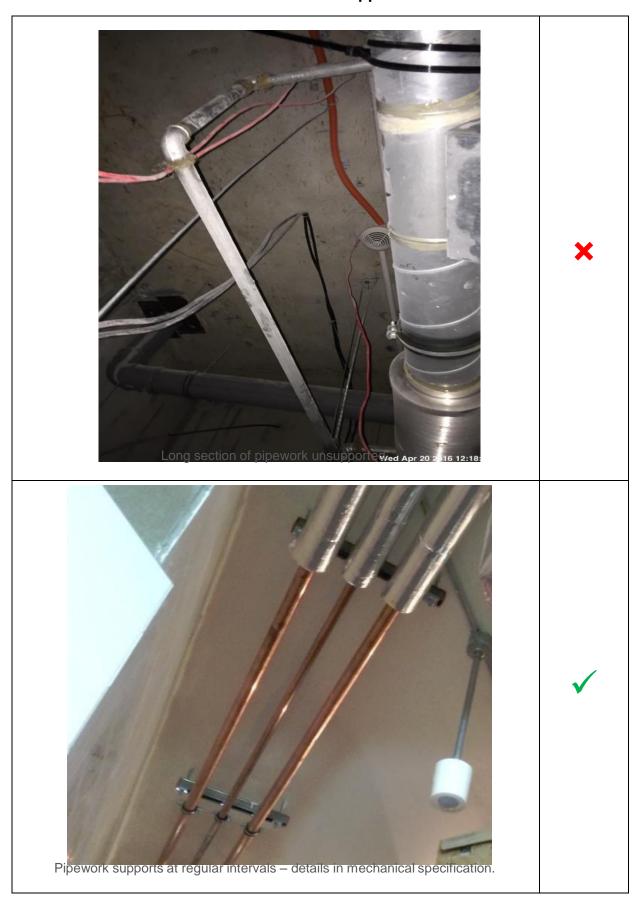
Mechanical – Ductwork Insulation

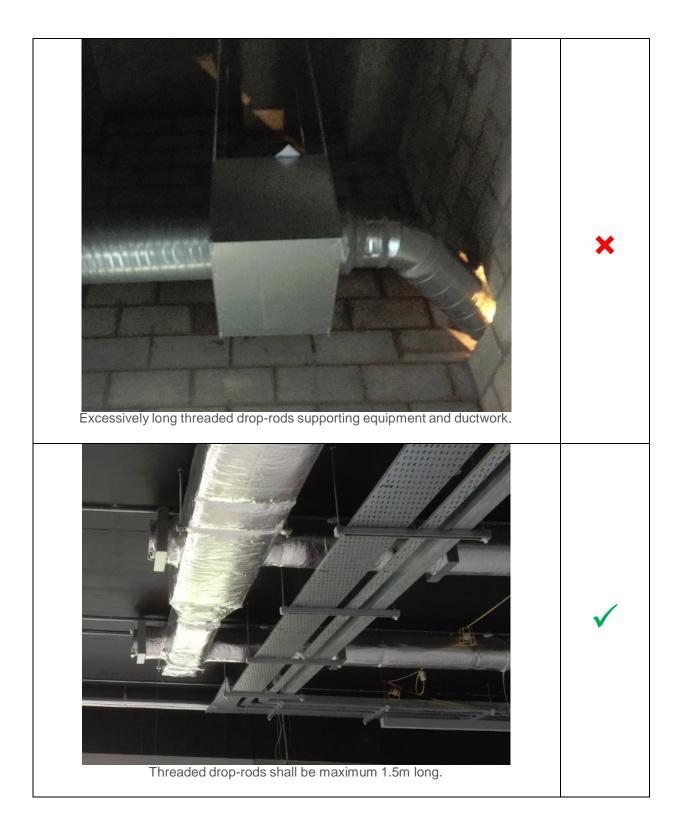




Insulation to have complete coverage and be vapour sealed. Thermal bridge between the ductwork support and the duct must also be separated – insulation must be installed between the duct and support.

Mechanical – Supports



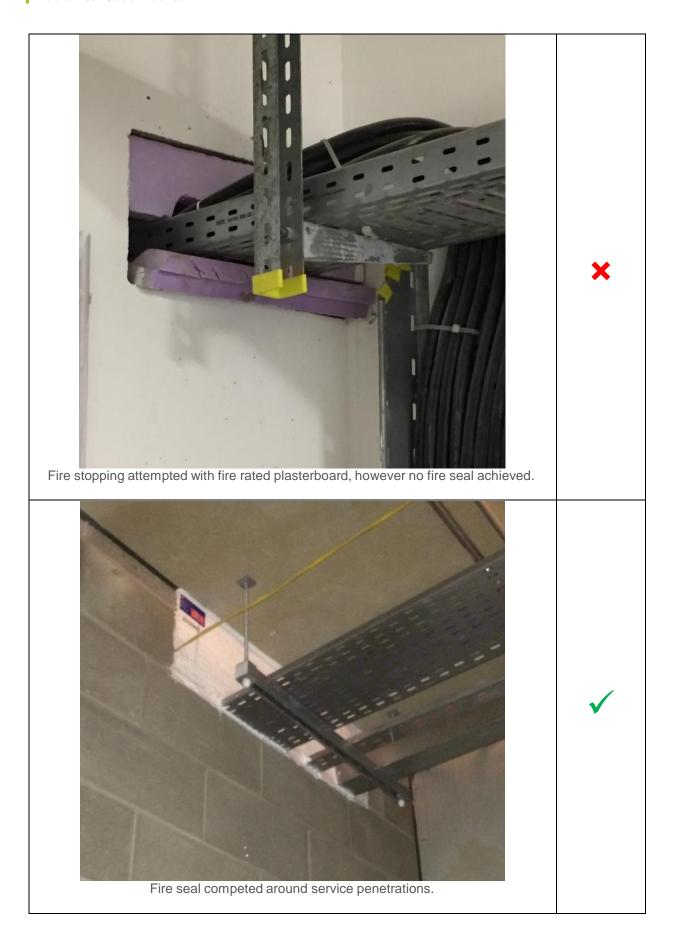


MEP – Fire Stopping

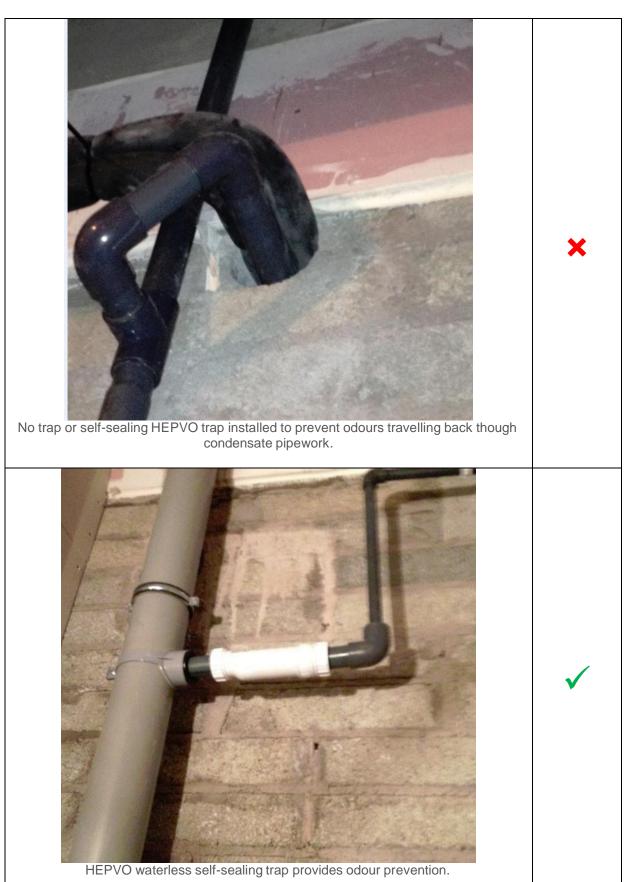




Fire stopping completely sealing up opening, and pipework sleeves installed to protect pipework.



Mechanical – Condensate drainage pipework installation



Mechanical – Protection during Construction Phase



Mechanical – Ductwork supports





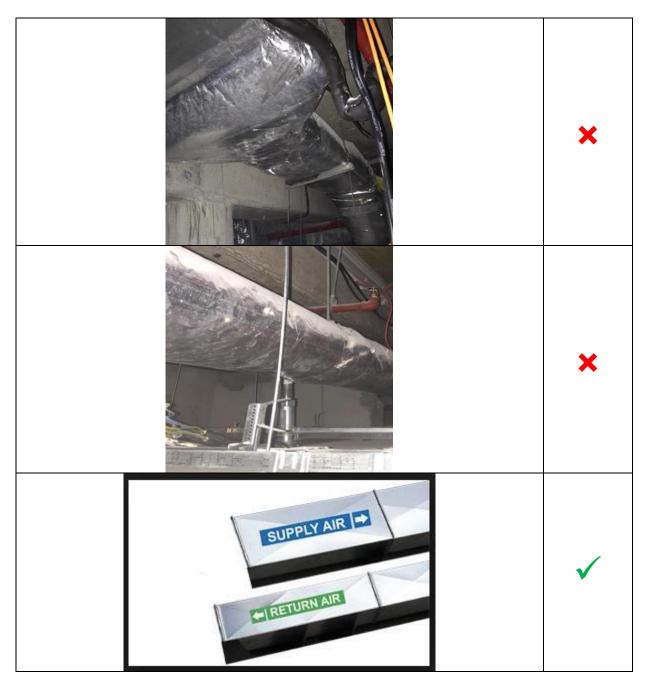
Duct support poorly installed leading to separation from threaded rod.





Duct supports must be correctly installed. Thermal bridge between the ductwork support and the duct must also be separated – insulation must be installed between the duct and support without insulation being damaged.

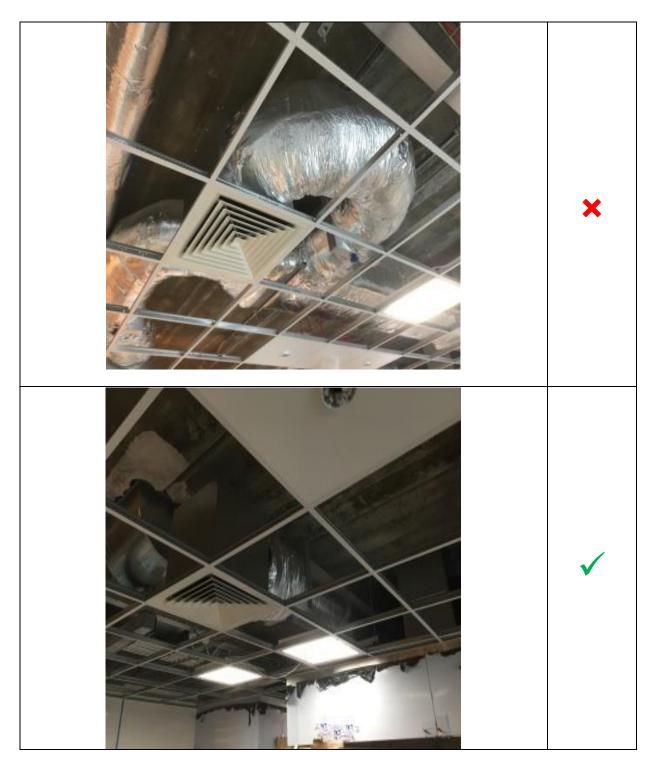
Mechanical – Ductwork labelling



Mechanical – Ductwork insulation



Mechanical - Flexible ductwork installation



Mechanical - Plenum box and diffuser installation

