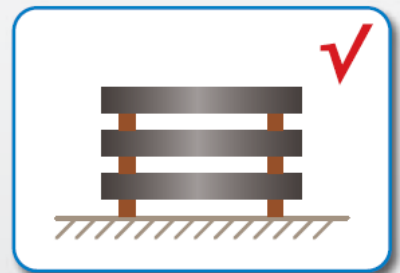
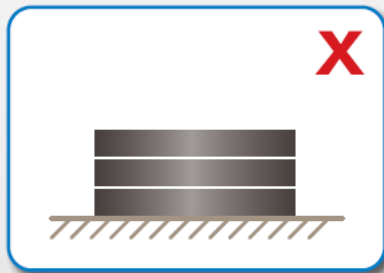
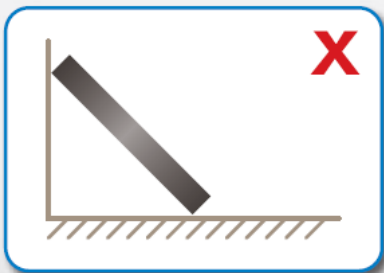


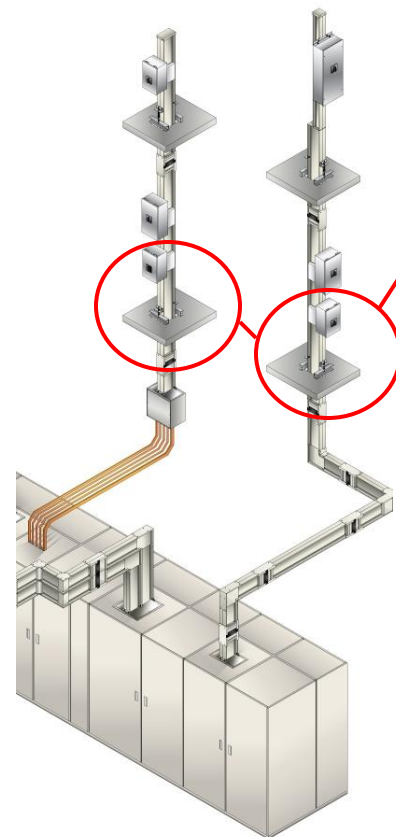


Before Busduct Installation at Job Site

Busduct delivered to job site shall be stored indoors and in a dry environment free from condensation. Extra protection material shall be provided in addition to the packing of the busduct against any adverse construction site conditions.



During Busduct Installation



In vertical busduct installation, busduct feeder which will be supported by vertical hanger should be installed before other busduct feeders in order to prevent a downward weight or load from concentrating on the busduct at the lower floor

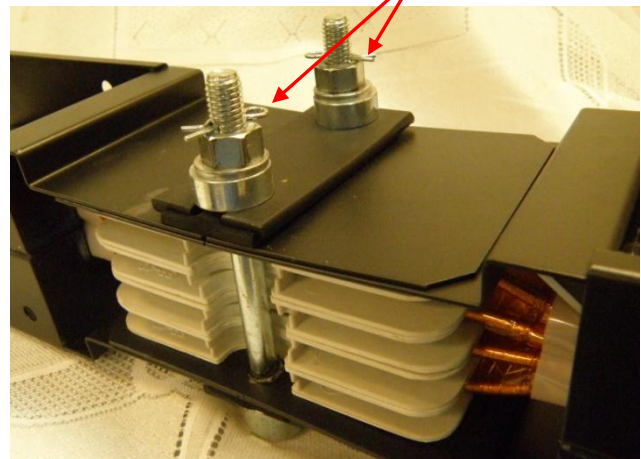
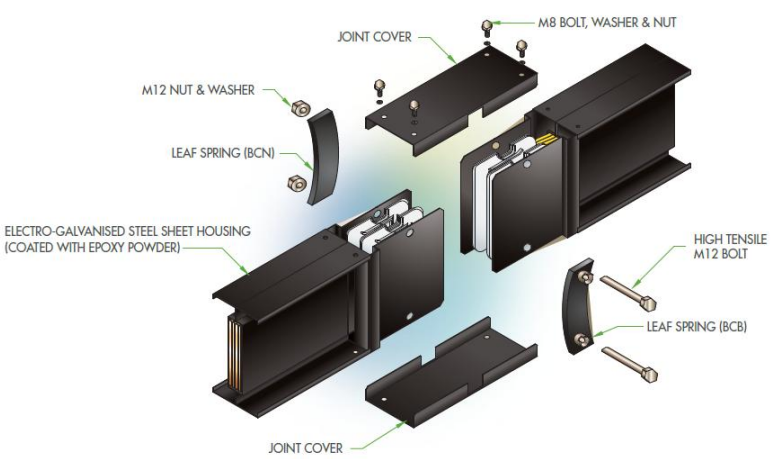
Flange end box must not be fixed permanently to the wall and floor. However, Flange End Box can only be permanently secured provided that all the busduct installation are completed (if unavoidable).

Vertical Hanger/Vertical Spring Hanger must be installed to the busduct system to allow for busduct elongation/expansion & contraction as well as the shrinkage of the building



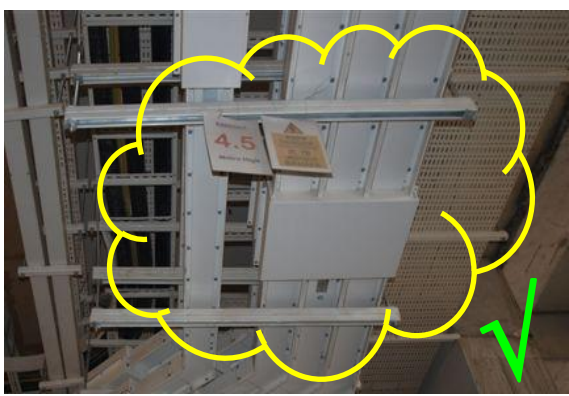
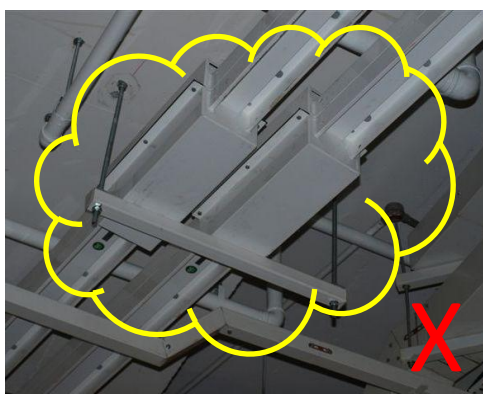
Busduct Joint Section

Tightness Indication of Double Bolt Joint Design

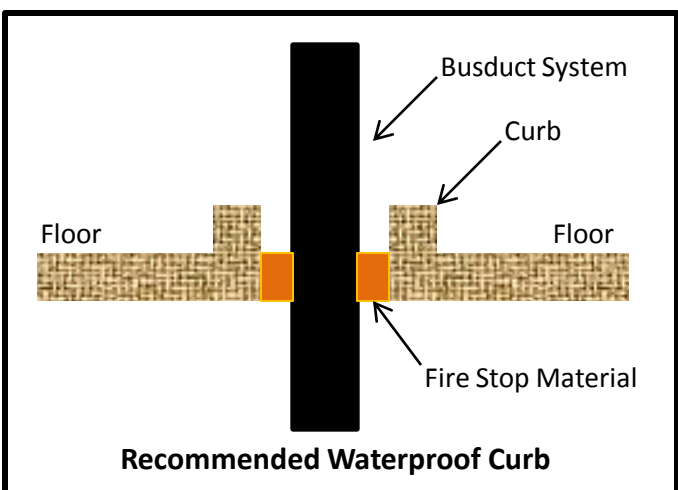


Improper Installation of Brackets

Proper Installation of Brackets



Waterproof Curb



Waterproof Curb is recommended to be installed at each floor opening where busduct passes through. It prevents water (caused by plumbing leaks, fire sprinkler system leaks, fluid spills, etc) from seeping into the busduct system. Besides, the floor opening will be sealed with fire stop material to prevent smoke from passing through the floors in case of fire in the building.

Vertical Spring Hanger

Busduct feeder is permanently fixed to the wall

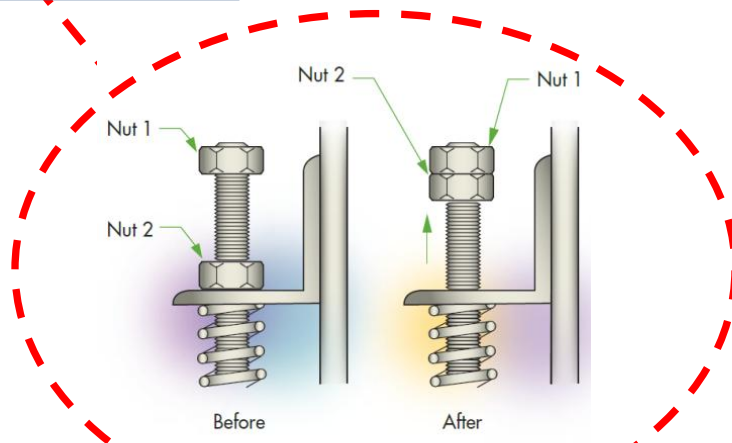
End Cap is permanently fixed to the wall

Nut is fully tightened to the bracket of Vertical Spring Hanger

Caution



Busduct system bent due to the improper installation whereby both busduct ends are fixed to the wall



Recommended installation method of Vertical Spring Hanger

After Busduct Installation

• **Busduct Joint Connection**

All phase and earth conductors shall be tested and inspected to ensure full clamping pressure is applied to all contact surfaces and all joint bolt connection are securely carried out according to manufacturer's recommendation

• **Insulation Resistance/Megger Test**

It shall be measured with dc 500V or 1000V before busduct's power turn-on at job site.

• **Contact Resistance Test**

The contact resistance of each conductor shall be measured with dc 100A before busduct's power turn-on at job site.

• **Thermal Scanning Test**

It shall be carried out for busduct metal housing, joint section and other connections to detect any abnormal heat or hot spot.