



**SAVING YOU MONEY IS OUR GOAL. GREAT SERVICE IS WHAT WE DO**

**Redla Hanging Strap Technical sheet**

**In accordance with standard AS4254:1 Flexible Duct 2012**

**Clause 2.5.3**

**Flexible ducts shall be supported as follows:**

- (a) At Manufactures recommended intervals but no greater distance than 1.5m
- (b) The maximum permissible sag between supports shall be 40mm/m of support spacing
- (c) Flexible duct shall extend straight for a minimum of 100mm from a connection to an air terminal device before any change of direction
- (d) Hanger or saddle material in contact with the flexible duct shall be a minimum width of 25mm. A Semi- rigid, fire resistant, load- distributing support material shall be a minimum width of 75mm, shall be in contact with the flexible duct for at least a quarter of its circumference, and shall be placed between the flexible duct and hanger/saddle material to spread the flexible duct weight. The load distribution support system shall prevent or minimise the following
  - i. Chaffing between flexible duct and support/hanger
  - ii. Flexible duct sagging
  - iii. Flexible duct shape distortion
  - iv. The compression of insulation to the point where thermal bridging could occur
  - v. Any sharp edges shall be trimmed to prevent flexible duct puncture
- (e) Hangers shall be adequately attached to the building structure

**Source- Victorian Building Authority**

**Warren James (Senior Technical Advisor)**

**Emailed Brent Clinnick (Redla Business Development Manager 30<sup>th</sup> of July 2019 @ 3.27pm)**

**Also see attached supporting documentation from the VBA (Technical solution sheet 7.04 which includes diagrams)**

**ANY QUESTIONS DON'T HESITATE TO CONTACT ME**

**THANK YOU FOR THE OPPORTUNITY**