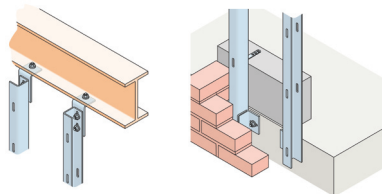


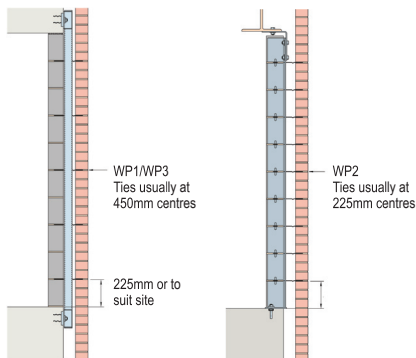
BUYING - WINDPOSTS, PARAPET & SPANDREL POSTS

Design Considerations

Large panels of masonry or panels with openings can be difficult to justify structurally. The traditional solutions have been to either increase the thickness of the wall or introduce an additional column. Windposts fit within the wall allowing the existing thickness to be maintained.



WP3 shown fixed to concrete at the base and to a steel beam at the top



WP1/WP3 Fixed to face of concrete, both at base and head

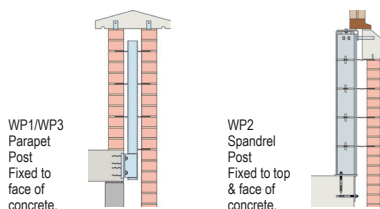
WP2 Fixed to top of concrete base and to underside of steel beam

Windpost Design

Windposts are designed to span vertically between floors to provide lateral support between panels of brickwork. Connections to the frame are designed to permit adjustment during installation. Serrated surfaces will be provided where adjustment is in the direction of the load. The top connection allows for shrinkage or vertical movement of the frame to take place. The type of fixing used will depend on the nature of the frame. Expansion bolts are normally supplied for concrete frames and set screws for steel frames.

Parapet and Spandrel Posts

Parapet And Spandrel Posts are restrained by the brickwork and designed as "cantilevers". The base connection will need to be sufficient to resist the "bending moment" and may in some cases be difficult to accommodate within the floor construction. Spandrel Posts are supplied with a horizontal rail at the top of the posts to assist in supporting the structure above.



WP1/WP3 Parapet Post Fixed to face of concrete.

WP2 Spandrel Post Fixed to top & face of concrete.

For further information, advice and pricing on specific applications please contact Dorsey.