



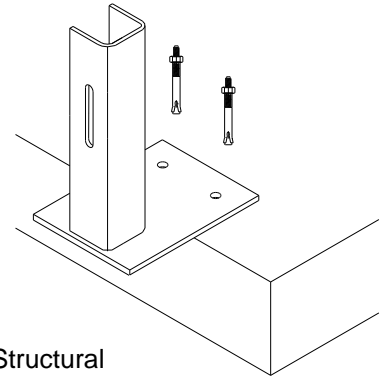
Windposts span vertically between floors to provide lateral support for masonry panels and are normally fixed as 'simply supported beams'. Windposts are available in various styles, section sizes and heights to suit structural loading requirements and are supplied complete with vertically adjustable ties and necessary fixing bolts.

Connections to the frame are designed to allow for vertical adjustment of the structure and site tolerances during installation via a loosely secured top cleat. The choice of fixing and its position are dependent on the type and length of the windpost and the structure. Wincro will provide a drawing for approval prior to manufacture and design the required fixing details for the top and bottom of each windpost.

## TOP & BOTTOM CONNECTIONS

Connections to the structural frame are determined prior to Manufacture/Supply, therefore the following guidelines should be followed;

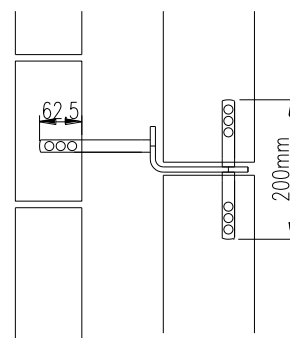
- Only use the fixings supplied by Wincro - these are integral to the design.
- Use all washers (normal/serrated) as provided, and tighten nuts to specified tightening torques (refer to supplied Fixing packaging/Wincro drawing/Wincro Brochure 4.0 Channel & Bolt Fixings).
- The dimensional positioning of the Windpost should normally be to the Structural Engineers plans/details and/or Wincro drawings/referencing or Specialist details.
- Always ensure Windposts are installed vertical in both planes.
- Ensure ties are installed into the slots within the post and can slide vertically should expansion or contraction of the frame occur.
- It may be necessary to provide temporary support or suitable prop to hold the top of the windpost in place during construction (i.e. where the top connection of the windpost cannot be fixed to the structure). If in doubt, please contact Wincro technical on 0114 242 2171, for further guidance.



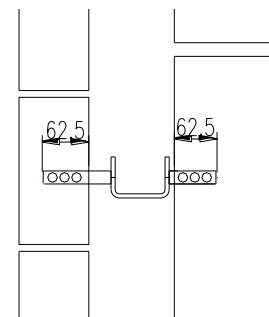
Please note; windpost heads and bases incorporate holes/slots for fixing. The top connection of the windpost/top cleat (connection) will have a vertical slot/s (no serrations) to permit movement of the frame. Where cast-in channels are used parallel to the slab edge, a serrated pad and washer must be provided.

## TIE INSTALLATION

Wall ties should be fitted in each slot and have a minimum embedment of 50mm into each leaf. Wincro recommend tie lengths, which achieve a recommended embedment of between 62.5mm and 75mm, allowing for tolerance for cavity variations.



**Tie Embedment**  
WPA Windpost



**Tie Embedment**  
WPC Windpost

## GENERAL

All Wincro products are produced from Type 1.4301 (304) Stainless Steel u.n.o. and are generally produced from sheared plate. As with all similar industrial fabrications, these may present sharp edges and suitable personnel protective equipment should be worn at all times during handling and installation. In all cases, installation should be entrusted to appropriately qualified/experienced persons. All contact between dissimilar metals must be isolated using isolation patches/washers. All bolts specified must be installed and torqued to Manufacturers Recommendations / Guidelines. The Construction applications and details provided in this guide are indicative only.