

J&P Building Systems: Windposts

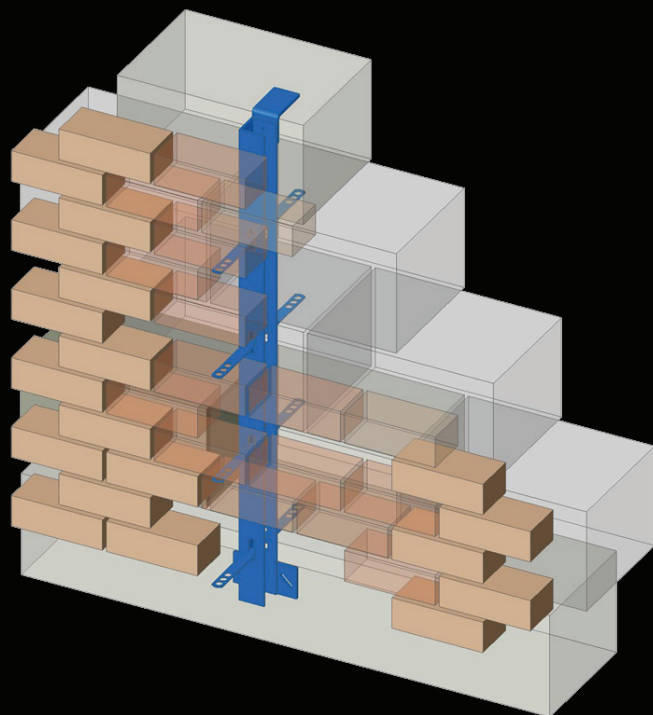
J&P windposts are designed to offer lateral support for masonry panels between floor slabs. J&P can design windposts and parapet specials to suit particular job requirements with special attention to top and bottom fixing connections. Windposts are manufactured generally from stainless steel grade A2. Mild steel with various finishes are also available on request. Windpost properties and performance tables can be found overleaf.

JPW-1 Spine and channel post:

The spine is built into the inner skin of the cavity wall and has a continuous channel welded to it. This allows ties to be located in the channel and embedded into the outer skin. The post base is bolted down to the structural slab. A slotted top connection allows for differential movement.

JPW-1: Vertical slots to coincide with brick and block bed joints offering location tolerance and allow for movement.

JPW-1-CH: Continuous 28/15 channel is provided welded to each face of the post to receive ties to coincide with the brickwork bed joints offering location tolerance and allowing for movement.

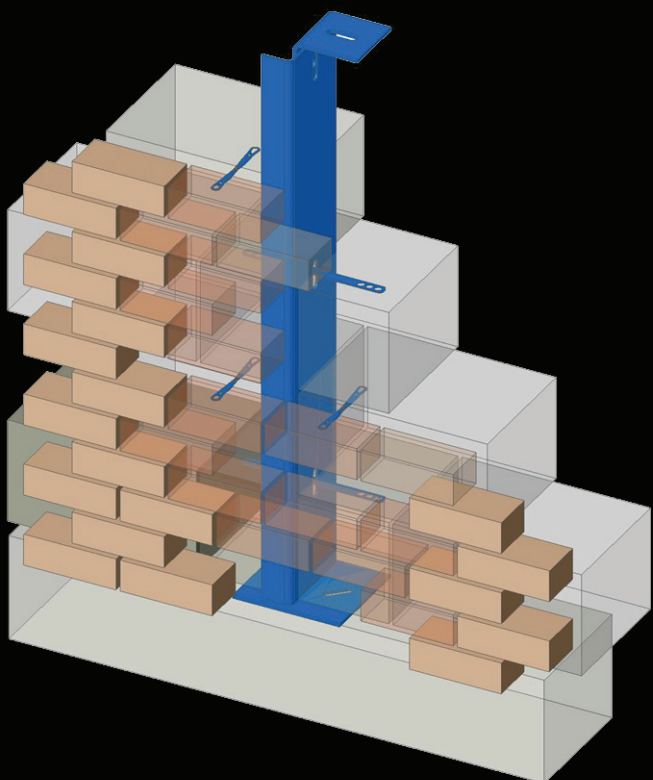


JPW-2 Cold rolled angle post:

One leg of the post is built into the inner skin of the cavity wall. Standard cavity ties are positioned to the sides of the posts to tie back the outer skin. The post base is bolted down to the structural slab. A slotted top connection allows for differential movement.

JPW-2: vertical slots are provided to coincide with the blockwork bed joints offering location tolerance and allowance for movement.

JPW-2-CH: Continuous 28/15 channel is provided welded to each face of the post to receive ties to coincide with the brickwork bed joints offering location tolerance and allowing for movement.



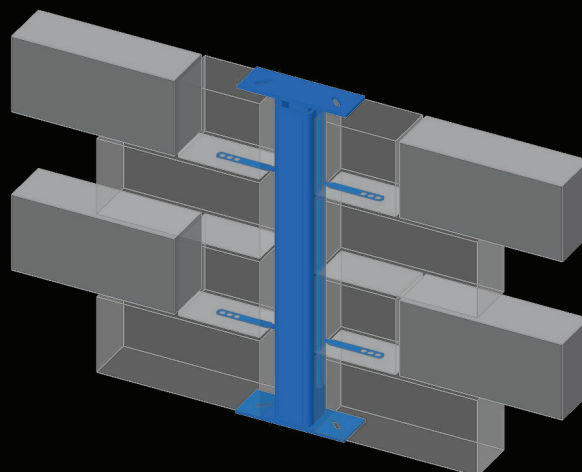
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JPW-3 Reversed channel post:

Suitable mainly for larger voids, the post is positioned within the cavity. Continuous lengths of channel, back and front allow ties to be located and embedded at centres to suit. The post base is fixed to either the top or face of the structural slab with a sliding top connection to allow for differential movement.

JPW-3: cramp ties with vertical slotted holes are fixed to the side of the post using tek screws to coincide with the blockwork bed joints offering location tolerance and allowance for movement.

JPW-3-CH: Continuous 28/15 channel is provided welded to each face of the post to receive ties to coincide with the brickwork bed joints offering location tolerance and allowing for movement.



Windposts Properties & Loadings:

JPW-1 Properties & Loadings										
Size	lxx	zxx	Maximum UDL for height of Windpost (kN)							
a x b x c	cm ⁴	cm ³	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
28 x 75 x 6	41.49	8.76	2.79	1.94	1.42	1.09	0.8	0.6	0.55	0.48
28 x 100 x 6	86.42	14.24	5.75	3.99	2.93	2.42	1.83	1.45	1.25	1
28 x 125 x 6	154	20.99	10.25	7.11	5.23	4.32	3.25	2.5	2.15	1.8
28 x 150 x 6	249.4	20	16.59	11.52	8.46	6.48	5.25	4.24	5.5	2.9

JPW-2 Properties & Loadings										
Size	lxx	zxx	Maximum UDL for height of Windpost (kN)							
a x b x c	cm ⁴	cm ³	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
125 x 70 x 4	126.6	15.2	8.6	6	4.4	3.4	2.7	2.2	1.8	1.5
140 x 70 x 4	172	18.8	11	8.2	6	4.6	3.6	2.9	2.4	2
130 x 70 x 6	203.3	24.1	13.9	9.6	7.1	5.4	4.3	3.5	2.9	2.4
150 x 70 x 6	300.4	31.5	18.3	14.2	10.5	8	6.3	5.1	4.2	3.6
150 x 80 x 8	410.7	42.4	24.6	19.5	14.3	11	8.7	7	5.8	4.9
160 x 80 x 8	490	47.8	27.8	23.1	17.1	13.1	10.3	8.4	6.9	6.6

JPW-3 Properties & Loadings										
Size	lxx	zxx	Maximum UDL for height of Windpost (kN)							
a x b x c	cm ⁴	cm ³	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
65 x 46 x 4	48.7	14.95	3.25	2.3	1.7	1.4	1.03	0.83	0.7	0.58
75 x 46 x 4	68	18.1	4.65	3.25	2.35	1.85	1.43	1.15	0.95	0.8
65 x 50 x 6	58.1	17.82	4	2.75	2.03	1.55	1.23	0.99	0.82	0.69
75 x 50 x 6	81.5	21.73	5.6	3.9	2.85	2.18	1.73	1.39	1.15	0.97
85 x 46 x 4	91	21.42	6.25	4.35	3.18	2.43	1.93	1.55	1.29	1.08
85 x 50 x 6	108.7	25.64	7.4	5.2	3.8	2.93	2.3	1.85	1.53	1.29

