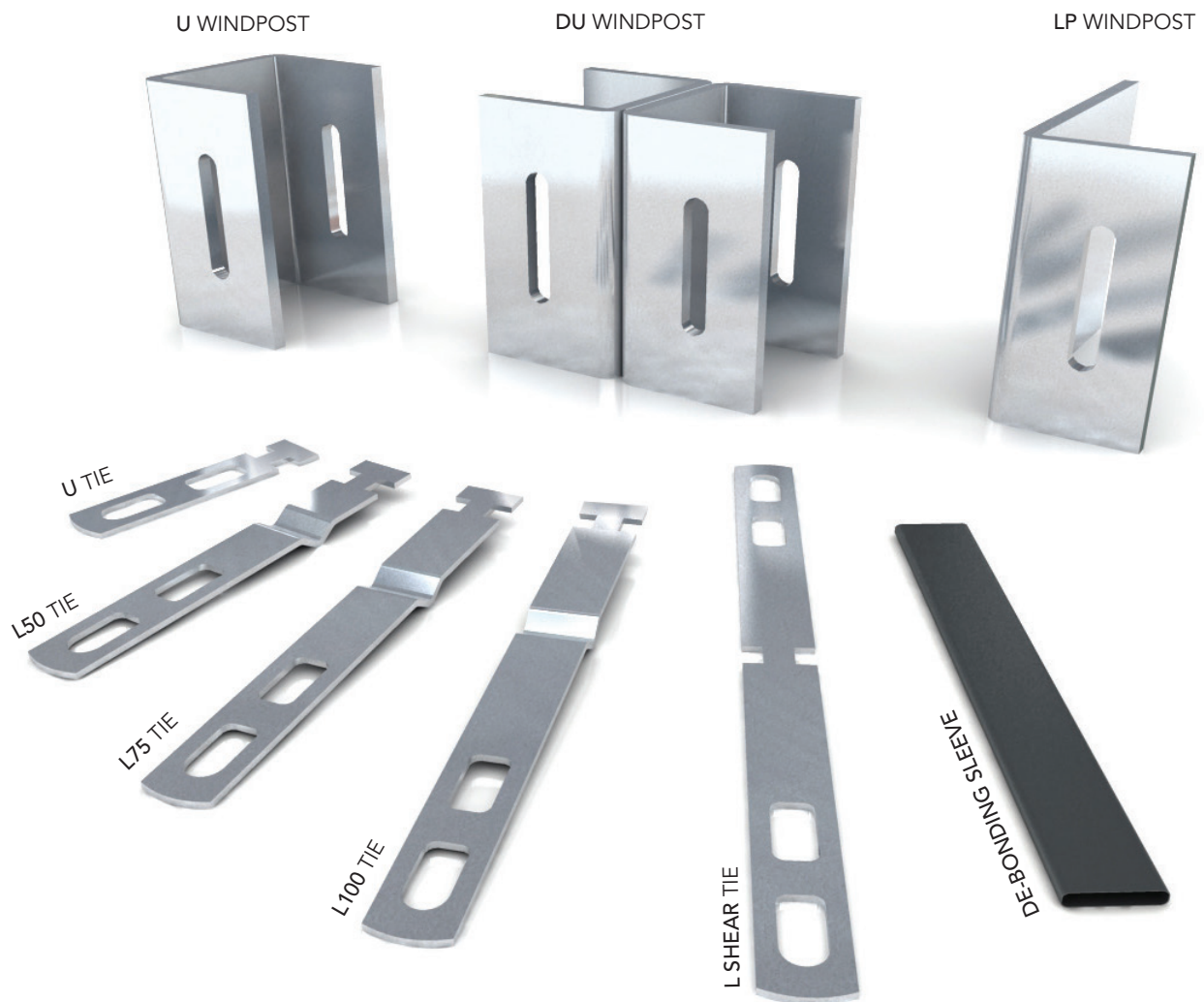


IG Windposts

IG continually set the standard in windpost design. With a nationwide team of experienced engineers at your disposal, we continue to set ourselves apart from the rest.



WINDPOSTS

IG manufacture three types of windpost.

U Windpost

The U Windpost is a channel section designed for standard loading conditions and is installed within the cavity.

DU Windpost

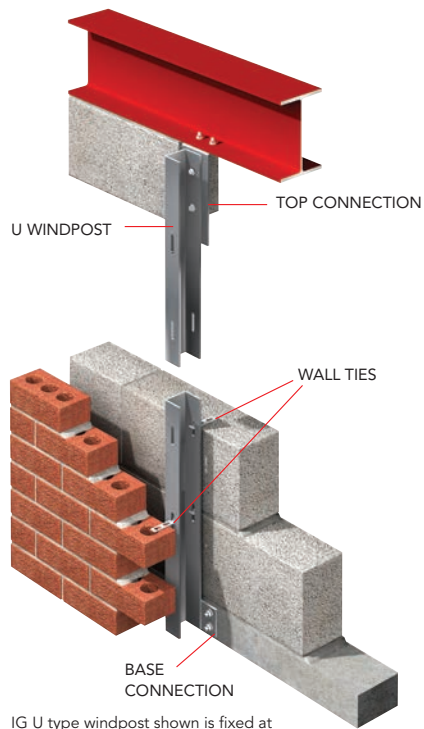
The DU windpost is a "back-to-back" channel section designed for heavier loading conditions and is installed within the cavity.

LP Windpost

The LP Windpost is an "L" shaped section designed to suit a range of loading conditions and is built into the inner skin of the cavity wall.

Material Specification

IG Windposts are manufactured from grade 304 stainless steel. The IG technical team will provide full product specification and schedules.



IG U type windpost shown is fixed at the base to concrete and at the top to the underside of a steel beam.

Windpost Connections & Wall Ties

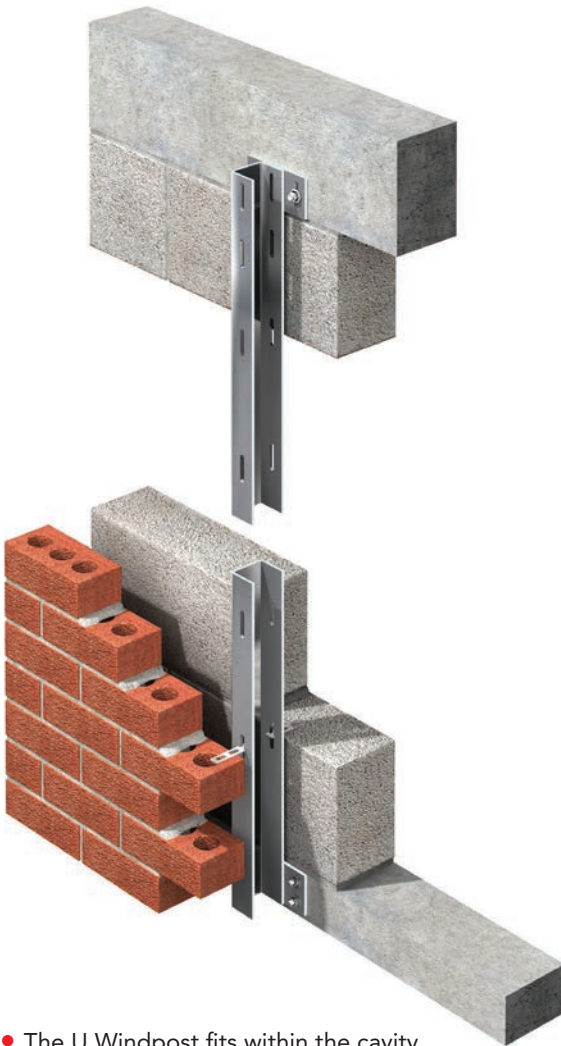
All IG Windposts are supplied with specifically designed base and top connections. They are also supplied with a suitable number of wall-ties which will vary in relation to the post type used and the cavity width. There are five types of wall ties available.

U Tie	For use with U & DU Windposts.
L50	Tie – For use with LP Windposts (50mm cavity).
L75 Tie	For use with LP Windposts (75mm cavity).
L100 Tie	For use with LP Windposts (100mm cavity).
L Shear Tie	For use with LP Windposts.

Note: L Shear Tie can be supplied with a de-bonding sleeve if the windpost is positioned at a vertical movement joint.

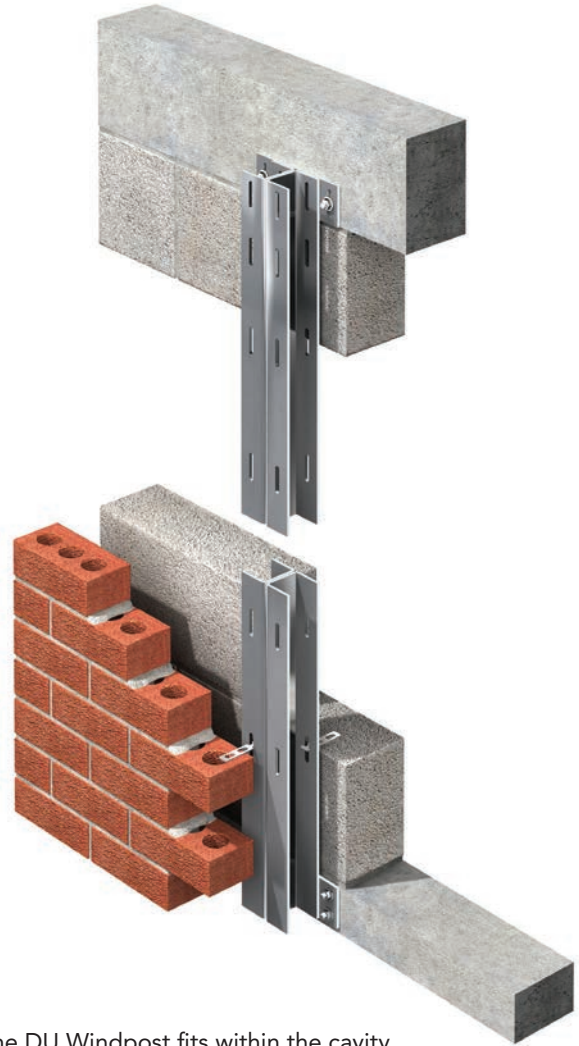


U WINDPOST



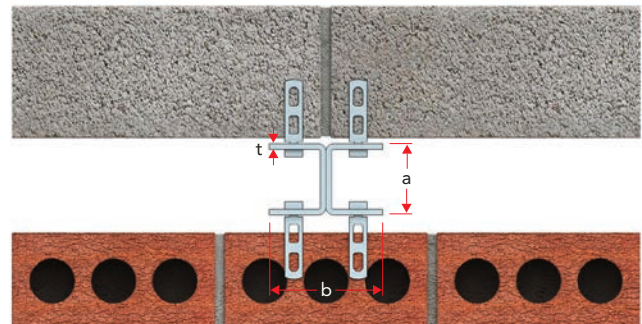
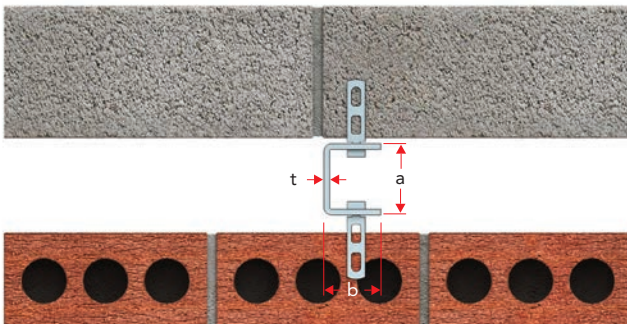
- The U Windpost fits within the cavity and normally spans between floor structures.
- The inner leaf of the cavity wall is totally undisturbed.
- Available in shorter lengths for parapets or below windows (see Parapet & Spandrel Windposts section).

DU WINDPOST

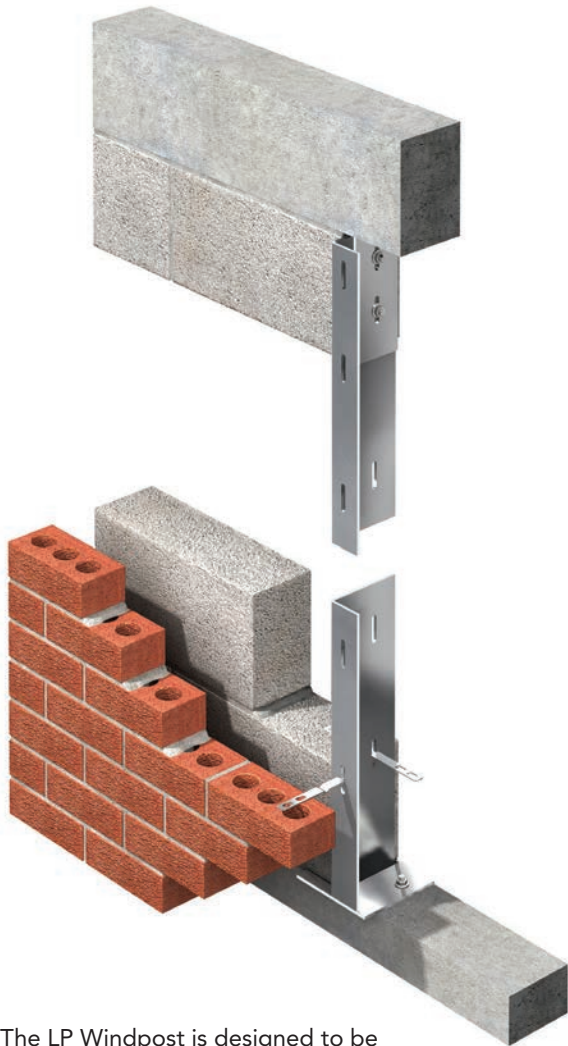


- The DU Windpost fits within the cavity and normally spans between floor structures.
- The inner leaf of the cavity wall is totally undisturbed.
- The DU Windpost is a heavier duty variant of the U Windpost.
- Available in shorter lengths for parapets or below windows (see Parapet & Spandrel Windposts section).

U WINDPOST AND TIES

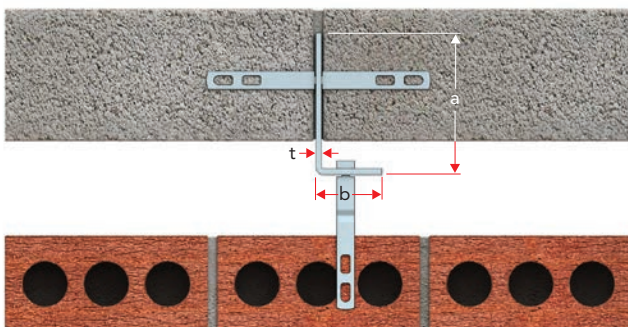


LP WINDPOST



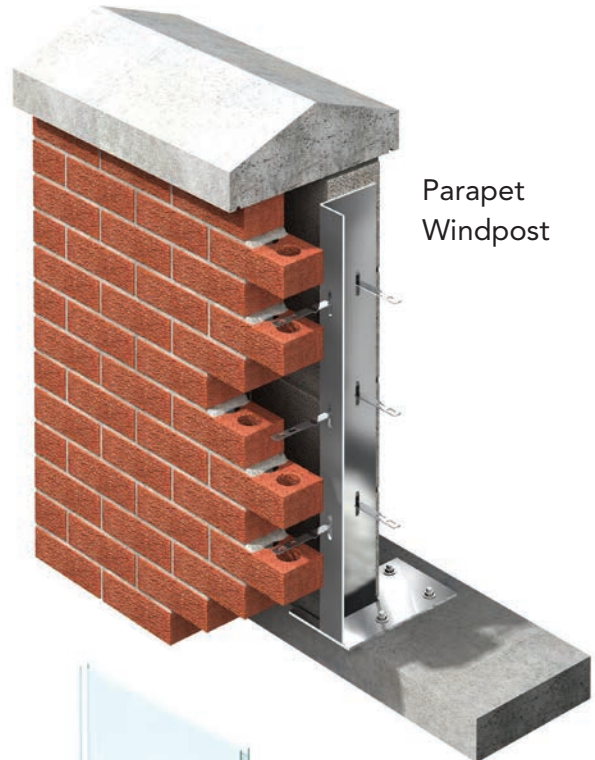
- The LP Windpost is designed to be built into the inner skin of the cavity wall and will normally span between floor structures.
- The LP Windpost is designed to suit a range of loading conditions
- Available in shorter lengths for parapets or below windows (see Parapet & Spandrel Windposts section).

LP WINDPOST AND TIES

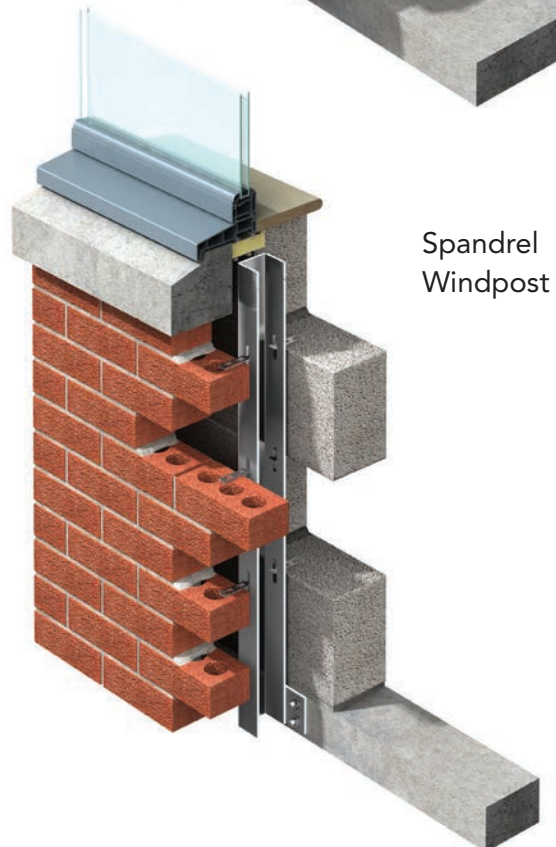


PARAPET & SPANDREL WINDPOST

All three windposts designs are available in shorter length to provide the same level of stability to parapets or below windows, commonly termed parapets or spandrel windposts respectively. These posts are designed as cantilevers and are rarely more than 1.6 metres in height. The base connection is engineered to resist bending moment.



Parapet
Windpost

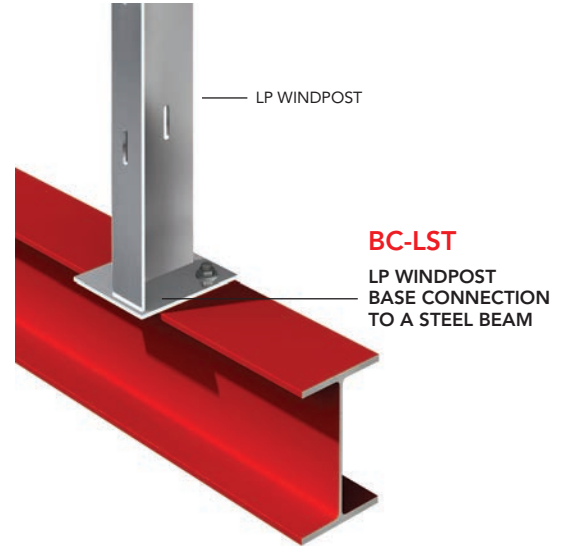
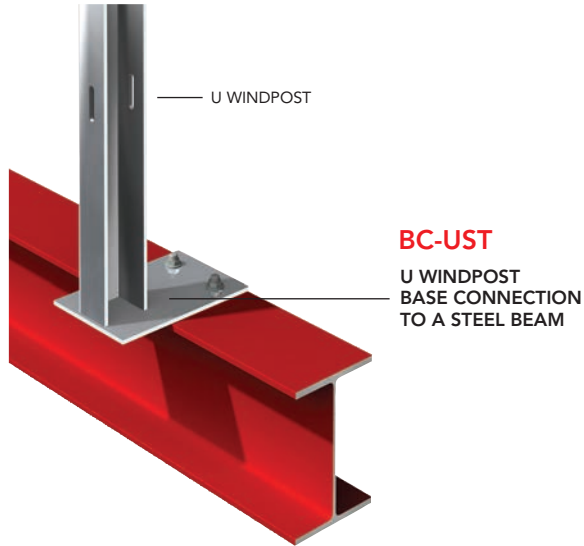


Spandrel
Windpost

IG WINDPOST CONNECTIONS

All IG windposts are designed with top and base plate connections for fixing to the super structure of the building. It is important that windposts are fully fixed before commencement of the brickwork.

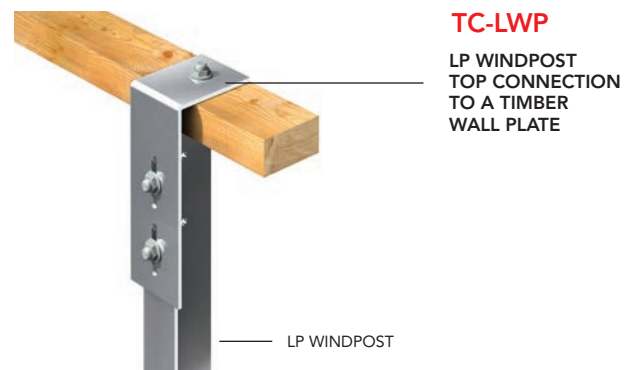
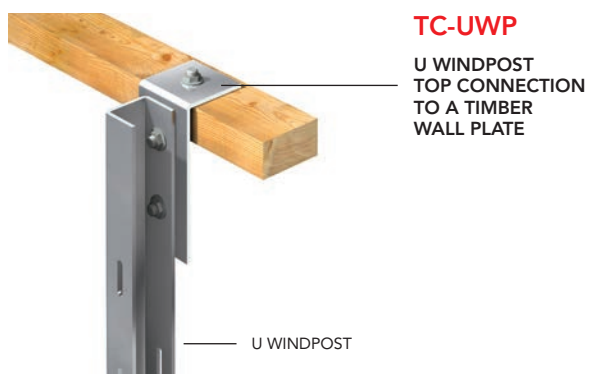
TYPICAL BASE CONNECTIONS



These connector examples are just a few of the possible configurations, please contact our Technical Department for assistance with your exact requirements.

TYPICAL TOP CONNECTIONS

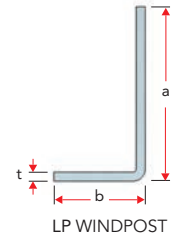
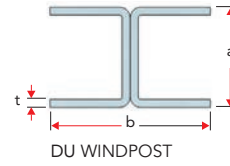
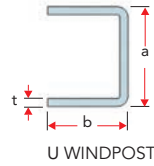
Please note: The top connection allows for shrinkage or vertical movement of the frame.



These connector examples are just a few of the possible configurations, please contact our Technical Department for assistance with your exact requirements.

WINDPOST LOADING FIGURES

Windposts can be made to order at various sizes on a project basis. Posts taken as a simple support/cantilever beam. SWLs quoted are assuming adequate base and top fixing to concrete.



Dimensions and Performance of U, DU and LP Windposts

	Code	Size (mm) a x b x t	Maximum unfactored wind load for height of windpost UDL (kN)							
			2500mm	3000mm	3500mm	4000mm	4500mm	5000mm	5500mm	6000mm
U WINDPOSTS 	U1	60 x 60 x 4	3.0	2.1	-	-	-	-	-	-
	U2	60 x 60 x 5	3.5	2.5	1.8	-	-	-	-	-
	U3	60 x 60 x 6	5.5	3.8	2.8	2.2	-	-	-	-
	U4	75 x 60 x 4	4.9	3.4	2.5	1.9	-	-	-	-
	U5	75 x 60 x 5	5.9	4.1	3.0	2.3	1.8	-	-	-
	U6	75 x 60 x 6	6.9	4.8	3.5	2.7	2.1	-	-	-
	U7	115 x 60 x 4	13.2	9.2	6.7	5.2	4.1	3.3	-	-
	U8	115 x 60 x 5	16.1	11.2	8.2	6.3	5.0	4.0	3.3	-
	U9	115 x 60 x 6	18.8	13.0	9.6	7.3	5.8	4.7	3.9	3.3
LP WINDPOSTS 	LP1	125 x 70 x 4	9.0	6.2	4.6	3.5	-	-	-	-
	LP2	125 x 70 x 5	11.0	7.7	5.7	4.3	3.4	-	-	-
	LP3	125 x 70 x 6	13.1	9.1	6.7	5.1	4.1	3.3	-	-
	LP4	150 x 70 x 4	12.5	10.2	7.5	5.7	4.5	3.7	3.0	-
	LP5	150 x 70 x 5	15.5	12.6	9.3	7.1	5.6	4.5	3.8	3.2
	LP6	150 x 70 x 6	18.5	15.0	11.0	8.4	6.7	5.4	4.5	3.7
	LP7	170 x 70 x 4	15.8	13.1	10.5	8.1	6.4	5.2	4.3	3.6
	LP8	170 x 70 x 5	19.0	16.3	13.0	10.0	7.9	6.4	5.3	4.4
	LP9	170 x 70 x 6	19.0	19.0	15.5	11.8	9.4	7.6	6.3	5.3
	LP10	200 x 70 x 4	19.0	17.8	16.3	12.5	9.9	8.0	6.6	5.6
	LP11	200 x 70 x 5	19.0	19.0	18.9	15.5	12.2	9.9	8.2	6.9
	LP12	200 x 70 x 6	19.0	19.0	19.0	18.4	14.5	11.8	9.7	8.2
DU WINDPOSTS 	DU3	60 x 60 x 6 (2)	11.0	7.7	5.6	4.3	3.4	2.8	-	-
	DU6	70 x 60 x 6 (2)	13.7	9.5	7.0	5.4	4.2	3.4	2.8	-
	DU9	115 x 60 x 6 (2)	27.0	26.1	19.2	14.7	11.6	9.4	7.8	6.5

Spandrel & Parapet Windpost Loading Tables

	Code	Size (mm) a x b x t	Maximum unfactored wind load for height of windpost UDL (kN)						
			800mm	1000mm	1200mm	1400mm	1600mm	1800mm	2000mm
U SPANDREL & PARAPET WINDPOSTS 	U1	60 x 60 x 4	6.0	3.9	2.7	2.0	1.5	-	-
	U2	60 x 60 x 5	7.2	4.6	3.2	2.4	1.8	-	-
	U3	60 x 60 x 6	8.8	7.0	5.0	3.7	2.8	-	-
	U4	75 x 60 x 4	8.5	6.4	4.5	3.3	2.5	-	-
	U5	75 x 60 x 5	9.3	7.5	5.4	3.9	3.0	-	-
	U6	75 x 60 x 6	9.3	7.5	6.2	4.6	3.5	-	-
	U7	115 x 60 x 4	9.3	7.5	6.2	5.3	4.6	-	-
	U8	115 x 60 x 5	9.3	7.5	6.2	5.3	4.6	-	-
	U9	115 x 60 x 6	9.3	7.5	6.2	5.3	4.6	-	-
LP SPANDREL & PARAPET WINDPOSTS 	LP1	125 x 70 x 4	7.0	5.6	4.6	4.0	3.5	3.1	2.8
	LP2	125 x 70 x 5	8.0	6.9	5.8	4.9	4.3	3.8	3.5
	LP3	125 x 70 x 6	8.0	8.0	6.8	5.9	5.1	4.6	4.1
	LP4	150 x 70 x 4	8.0	7.8	6.5	5.6	4.9	4.3	3.9
	LP5	150 x 70 x 5	8.0	8.0	8.0	8.0	6.1	5.4	4.9
	LP6	150 x 70 x 6	8.0	8.0	8.0	8.0	7.2	6.4	5.8
	LP7	170 x 70 x 4	8.0	8.0	8.0	7.0	6.2	5.5	4.9
	LP8	170 x 70 x 5	8.0	8.0	8.0	8.0	7.7	6.8	6.1
	LP9	170 x 70 x 6	8.0	8.0	8.0	8.0	8.0	8.0	7.3
	LP10	200 x 70 x 4	8.0	8.0	8.0	8.0	8.0	7.4	6.7
	LP11	200 x 70 x 5	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	LP12	200 x 70 x 6	8.0	8.0	8.0	8.0	8.0	8.0	8.0

Design Data Sheet

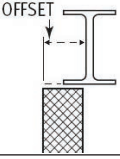
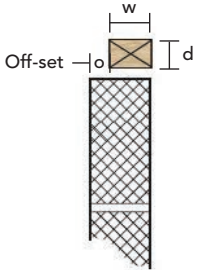
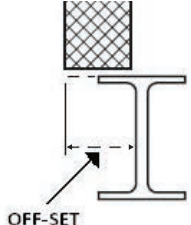
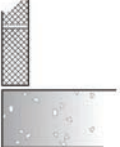
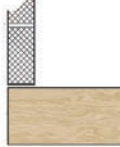
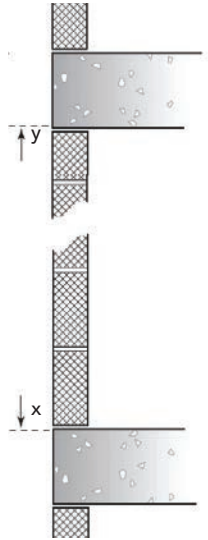
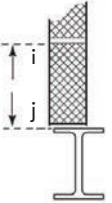
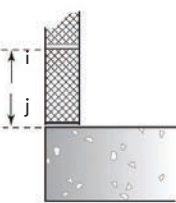
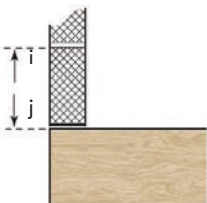
Name: _____

Company: _____

Tel: _____ Mobile: _____

Email: _____

Job Ref: _____

1	Wall Construction	Outer Leaf mm	Cavity Width mm	Inner Leaf mm
2	Windpost Type	☐ U WINDPOST  ☐ DU WINDPOST  ☐ LP WINDPOST 		
3	Windpost Dimensions	Length (a): mm	Breadth (b): mm	Thickness (t): mm
4	Quantity Required	Windposts		
5	Top Connection	Tick type required		
☐ Steel Beam		☐ Concrete		☐ Intermediate Timber Floor ☐ Timber Wall Plate
Off-set distance mm				Dimensions of wall plate
Beam Size eg: 203 x 133 x 30 UB x x				w = mm
				d = mm
				o = mm
				
6	Base Connection	Tick type required		
☐ Steel Beam		☐ Concrete		☐ Intermediate Timber Floor
Off-set distance mm				
Beam Size eg: 203 x 133 x 30 UB x x				
				
				
7	Structural Opening	Distance between structural elements		
		x $\longleftrightarrow$ y = mm		
				
8	Distance to first tie slot			
Distance from base to first bed joint of inner leaf				
i $\longleftrightarrow$ j = mm		  		

Please forward any relevant architects or structural engineers drawings to aid us in the preparation of your quotation.