

NIAGARA

# COLUMN BRACKET™

## Multiple Uses

New  
Construction

Convenient for  
Repairs

Remodel of  
Existing  
Buildings



## The Cost Effective, Simple Solution for Setting Posts

The Niagara Column Bracket™ is the perfect complement to your post frame construction materials. Advanced metal processing, mill direct steel, robotically welded and independently tested for the best value column brackets in the industry. Rather than relying on component data AJ, with Halberg Engineering, undertook destructive part testing, independently tested by Architectural Testing to validate performance values as stated in the design guide.



*AJ can be your one stop shop for doors, windows  
and now Post Frame Anchor Brackets.*



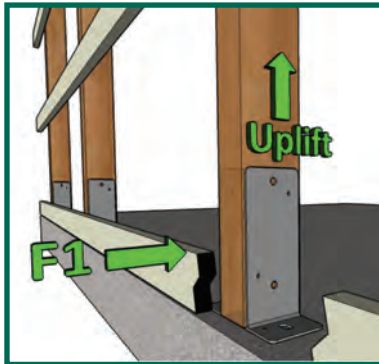
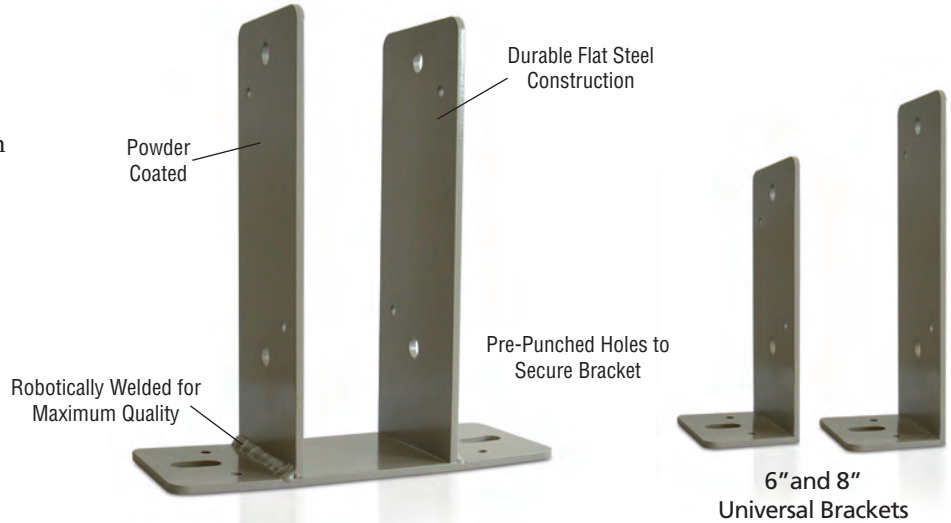
# NIAGARA COLUMN BRACKET™

The Niagara Column Bracket™ system allows post frame construction on traditional concrete foundations. Install these engineered wall brackets with a masonry drill bit and concrete anchors.

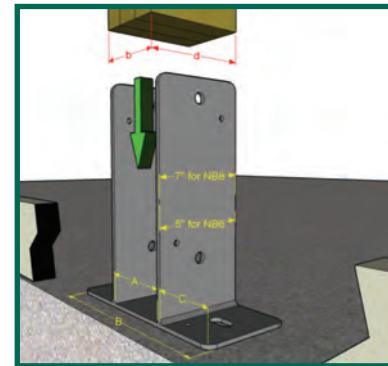


## Features & Benefits

- Durable-constructed of heavy-duty steel.
- Easy to use-attaches to concrete foundation with concrete anchors.
- Versatile-universal brackets can fit odd sized posts.
- The design guide is available at [www.ajdoor.com](http://www.ajdoor.com) or by contacting AJ Manufacturing at 1-800-328-9448.



Lateral and uplift forces illustrated



Column and bracket dimension illustration

Allowable Loads Using Fasteners From Hardware Kit (lbs) 1,2,3,4						
Column Species:	Southern Pine S.G. = 0.55		Douglas Fir-Larch S.G. = 0.50		Spruce-Pine-Fir S.G. = 0.42	
Bracket Part #	F1 Horizontal	Uplift Vertical	F1 Horizontal	Uplift Vertical	F1 Horizontal	Uplift Vertical
NB46/NB66 NB63/NB63A NB64/NB64A	4,540	6,710 <sup>5</sup>	4,250	6,620	3,580	6,110
NB83/NB83A NB84/NB84A	5,560	6,710 <sup>5</sup>	5,210	6,710 <sup>5</sup>	4,410	6,710 <sup>5</sup>

Design load table

Post Frame Column Information				Niagara Column Bracket™	Bracket Dimensions		
Column Size	Column Type	Column Width, b	Column Depth, d		"A"	"B"	"C"
3Ply 2x6	Glue-Lam	4.13	5.38	NB63	4.25	12.13	0.88
4Ply 2x6	Glue-Lam	5.50	5.38	NB64	5.45	12.45	0.75
3Ply 2x8	Glue-Lam	4.13	7.13	NB83	4.25	12.13	3.65
4Ply 2x8	Glue-Lam	5.50	7.13	NB84	5.65	12.45	0.75
3Ply 2x6	Nail-Lam	4.50	5.50	NB63A	4.45	12.15	0.88
4Ply 2x6	Nail-Lam	6.00	5.50	NB64A	6.15	12.55	3.55
3Ply 2x8	Nail-Lam	4.50	7.25	NB83A	4.65	12.15	0.88
4Ply 2x8	Nail-Lam	6.00	7.25	NB84A	6.15	12.45	0.88
4x6 Post	Solid Sawn	3.50	5.50	NB46	3.65	12.15	4.05
6x6 Post	Solid Sawn	5.50	5.50	NB66	5.65	12.45	0.75

Part numbers organized by column type and size



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