



NIAGARA

Independently Tested By



Architectural Testing

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.*



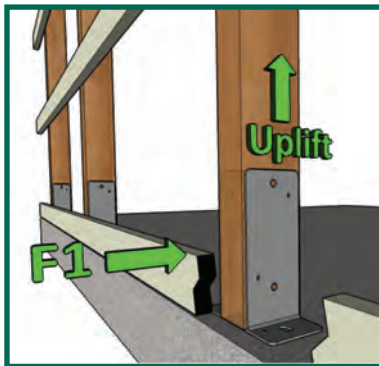
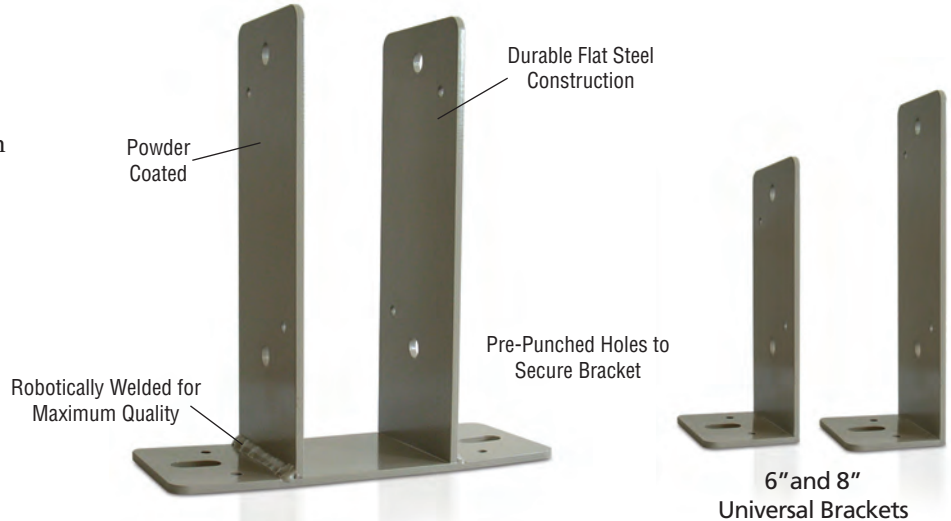
NIAGARA COLUMN BRACKET™

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.

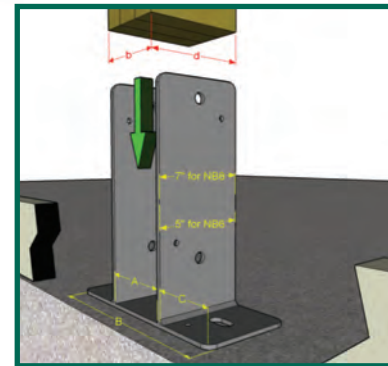


Features & Benefits

- 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 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 ⁵ | 4,250 | 6,620 | 3,580 | 6,110 |
| NB83/NB83A NB84/NB84A | 5,560 | 6,710 ⁵ | 5,210 | 6,710 ⁵ | 4,410 | 6,710 ⁵ |

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 | 12.43 | 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 | 12.65 | 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 | 12.43 | 0.75 |

Part numbers organized by column type and size



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