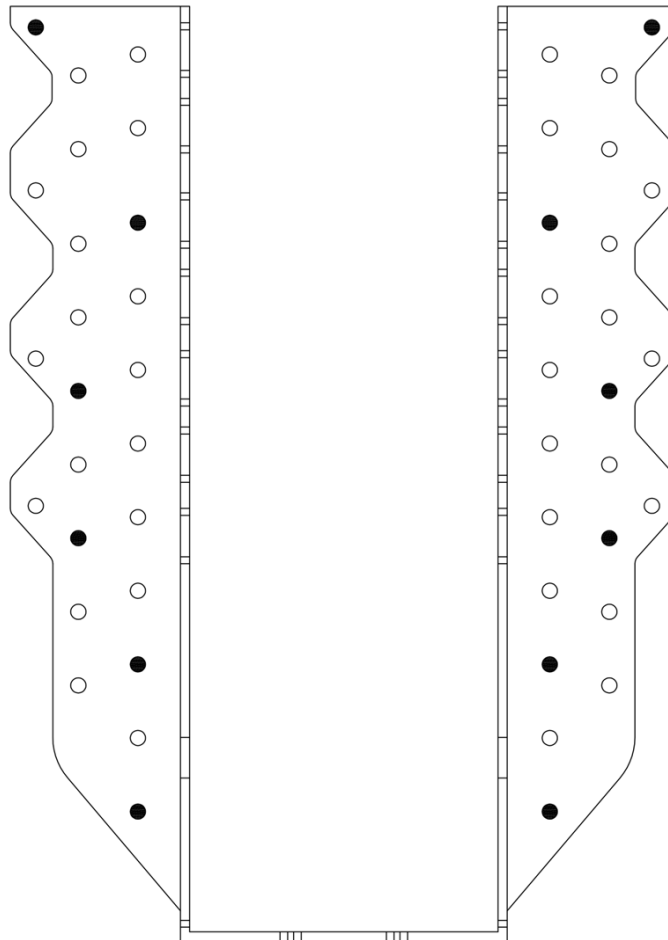


Technical Bulletin
THD412 Face Mount Hanger
MASONRY APPLICATION

The *THD412 Face Mount Hanger* can be used to connect 4x12 or 4x14 plated wood trusses, rafters, or joists to masonry wall structures. Allowable loads are based on proper use of fasteners installed per manufacturer's specifications.

- Masonry screw shall be 3/16" diameter Powers® Fasteners Tapper+.
- Minimum masonry screw embedment shall be 1-1/4".
- Install masonry screws **only** in **shaded fastener holes** as indicated on illustration to achieve listed loads in the table below.



USP Stock No	Description	Fastener Schedule ²				DF/SP Allowable Load (lbs) ^{1,3}			
		Steel Gauge	Wood		Masonry		Down 100%	Uplift ⁵ 160%	Field Uplift ⁶ 160%
			Qty	Size ⁴	Qty	Size			
THD412	4 x 12 - 16 Face Mount Hanger	12	20	10d	12	3/16"	1680	1400	1680

1) Allowable loads assume the use of Powers® Fasteners 3/16" Tapper+™ with minimum embedment of 1-1/4".
2) Fasteners to be installed per manufacturer's recommendations.
3) Allowable loads based on specified holes being filled.
4) Minimum embedment shall be 1-1/2" for 10d nails.
5) Allowable uplift when the uppermost masonry fasteners have an edge distance less than 2" from the top of the masonry wall.
6) Allowable uplift when the uppermost masonry fasteners have an edge distance greater than 2" from the top of the masonry wall.