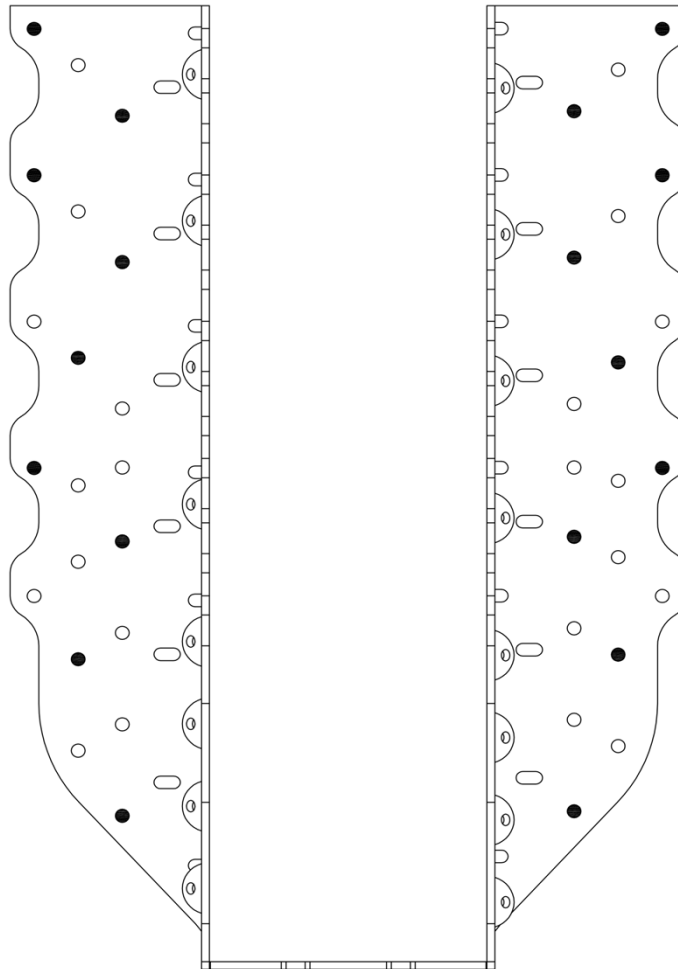


Technical Bulletin
THDH414 Heavy-Duty Truss Hanger
MASONRY APPLICATION

The *THDH414 Heavy-Duty Truss Hanger* can be used to connect 4x14 or 4x16 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.
- Install joist nails parallel to face of wall.



USP Stock No	Description	Fastener Schedule ²				DF/SP Allowable Load (lbs) ^{1,3}			
		Steel Gauge	Wood		Masonry		Down	Uplift ⁵	Field Uplift ⁶
			Qty	Size ⁴	Qty	Size			
THDH414	4 x 14-16 Face Mount	12	16	16d	18	3/16"	2520	1960	2520

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) 16d nails are 0.162" dia. x 3-1/2" long.
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.