

TECHNICAL BULLETIN

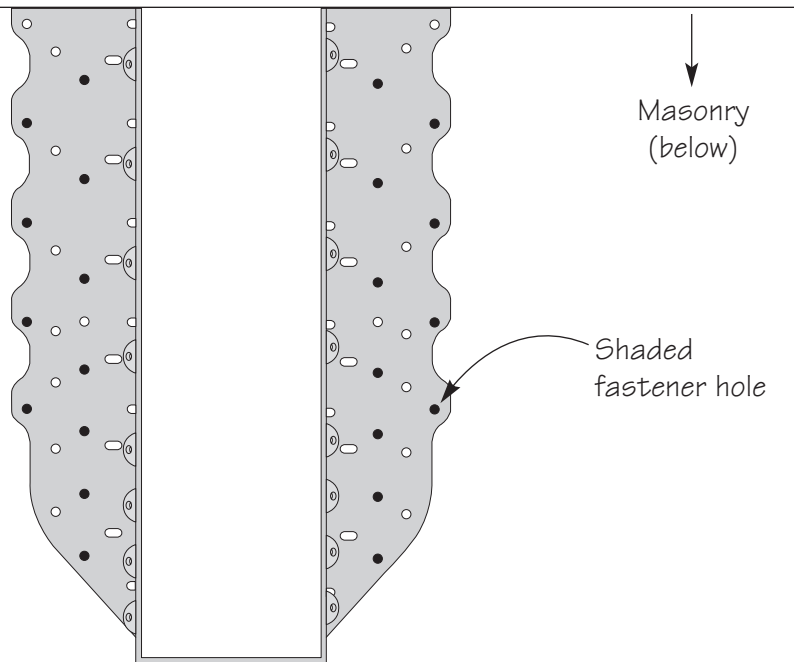
THDH414 Masonry Application

Masonry Installation Option for THDH414 Heavy-Duty Truss Hanger

USP's 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 upon the proper use of fasteners installed per manufacturer's specifications:

- Masonry screw shall be 3/16" diameter.
- Minimum masonry screw embedment shall be 1 3/4".
- Install masonry screws **only** in **shaded fastener holes** as indicated on illustration to achieve listed loads.
- Hanger applications are designed to meet minimum edge distance requirements when installed flush to the top of the concrete masonry unit.

Masonry Edge Line



USP Stock No.	Ref. No.	Description	Steel Gauge	Fastener Schedule ²		Allowable Loads (Lbs.) ^{1,3}			
				Joist Nails ^{4,5}	Masonry Screws	100%	125%	Uplift	
								133%	160%
THDH414	HGUS414	4 x 14-16 Heavy-Duty Truss Hanger	12	(16) 16d	(22) 3/16	4380	4380	2980	3580

1) Allowable loads assume use of Powers® Fasteners 3/16" Tapper™ minimum embedment of 1-3/4".
 2) Fasteners to be installed per manufacturer's specifications.
 3) Allowable loads assume specified holes to be filled.
 4) Minimum nail embedment shall be 1-15/16" for 16d nails.
 5) Joist nails shall not be installed in "double shear" configuration as is normally required for this hanger.