

# TECHNICAL BULLETIN

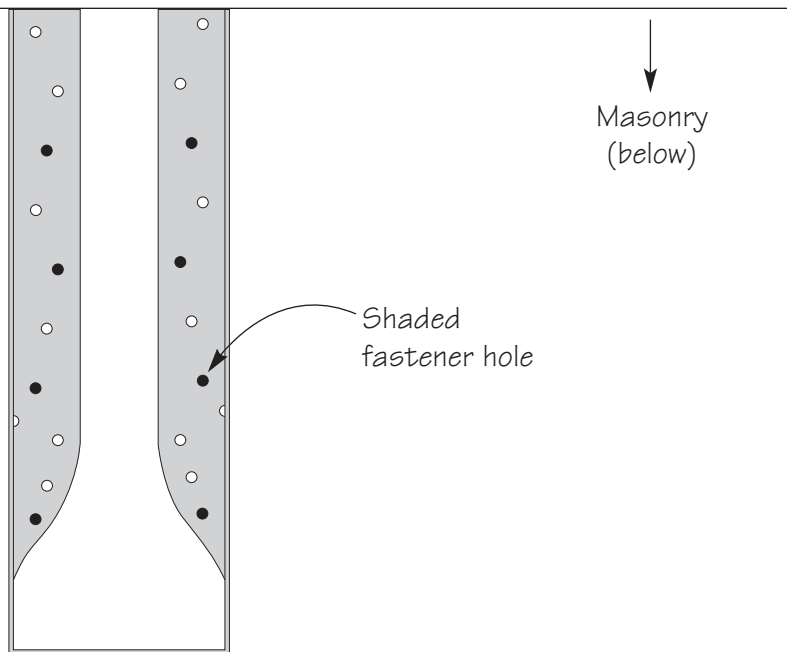
## HD412IF Masonry Application

### Masonry Installation Option for HD412IF Face Mount Hanger

USP's *HD412IF Face Mount Hanger* can be used to connect 4x12, 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 <sup>2</sup>		Allowable Loads (Lbs.) <sup>1,3</sup>			
				Joist Nails <sup>4</sup>	Masonry Screws	Uplift			
						100%	125%	133%	160%
HD412IF	HUC412	4 x 12-16 Face Mount Hanger, Inverted Flange	14	(10) 10d	(8) 3/16	2450	2450	1520	1825

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 1-3/4" for 10d nails.