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MARK	LENGTH (IN.)	WIDTH (IN.)	THICKNESS (IN.)	HEADED STUDS	FACTORED STRENGTH		
					BEARING	UPLIFT	SHEAR
BP1	8	6	3/8	(1) 1/2" Ø	60.5 k	4,600 lb	2,760 lb
BP2	12	6-1/2	3/8	(2) 1/2" Ø	93.6 k	9,200 lb	5,520 lb
BP3							
BP4							
BPX							

DESIGNER NOTES:

CODE REQUIREMENTS

1. FACTORED BEARING STRENGTH HAS BEEN CALCULATED BASED ON TMS 402 SECTION 9.1.8 AND A STRENGTH REDUCTION FACTOR OF 0.60 AS REQUIRED BY SECTION 9.1.4.2.
2. FACTORED UPLIFT AND SHEAR STRENGTH VALUES ARE BASED ON TABLES DEVELOPED IN "STRENGTH DESIGN OF MASONRY" AND PUBLISHED BY TMS (2020).

