

FRAMING ANGLES – A3, AC, JA, MP34, MP, MPA 1, & MPF

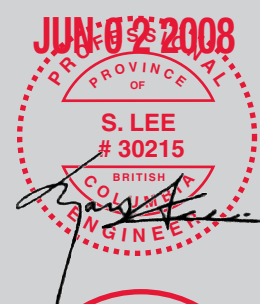


USP Stock No.	Ref. No.	Steel Gauge	Dimensions			Fastener Schedule ^{4,5,6}				Direction of Load ³	Factored Resistance ^{1,2,5,7}								
			W1	W2	L	Header		Joist			DF-L		S-P-F						
						Qty	Type	Qty	Type		100%	115%	100%	115%					
MPA1	A35	18	1-1/2	1-7/16	4-1/2	6	8d x 1-1/2	6	8d x 1-1/2	F1	1115	1280	790	910					
										F2	1300	1300	925	925					
										A1	685	785	485	555					
										B1	510	585	360	415					
										C1	525	600	370	425					
										A2	830	955	590	675					
										B2	460	525	325	375					
										C2	610	705	435	500					
										1 Foamboard Installation	6	8d x 1-1/2	2	8d x 1-1/2	F1	340	390	240	280
														F1	855	985	610	700	
MP34	A34	18	1-7/16	1-1/2	2-13/16	4	8d x 1-1/2	4	8d x 1-1/2	F2	1025	1025	725	725					
										F3	555	635	395	450					
										V	1380	1585	980	1125					
MP4F	LTP4	20	4-1/4	---	3	6	8d x 1-1/2	6	8d x 1-1/2	H	1380	1585	980	1125					
										V	1380	1585	980	1125					
										H	1380	1585	980	1125					
										V	1380	1585	980	1125					
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										H	1380	1585	980	1125					
										V	1380	1585	980	1125					
MP6F	LTP5	20	4-1/4	---	3-3/4	6	8d x 1-1/2	6	8d x 1-1/2	H	995	1145	705	815					
										V	995	1145	705	815					
										H	995	1145	705	815					
										V	995	1145	705	815					
										H	995	1145	705	815					
										V	995	1145	705	815					
										H	995	1145	705	815					
										V	995	1145	705	815					
A3	A23	18	1-7/16	1-7/16	2-3/4	4	10d x 1-1/2	4	10d x 1-1/2	F1	970	1115	690	792					
									F2	985	1130	700	802						
MP3	LS30	18	2-1/4	2-1/4	3-3/8	3	10d	3	10d	F1	750	860	535	615					
MP5	LS50	18	2-1/4	2-1/4	4-5/8	4	10d	4	10d	F1	1335	1535	950	1095					
MP7	LS70	18	2-1/4	2-1/4	5-7/8	5	10d	5	10d	F1	1740	2005	1235	1420					
MP9	LS90	18	2-1/4	2-1/4	6-7/8	6	10d	6	10d	F1	1980	2280	1405	1615					
AC3	L30	16	1-5/16	2-3/8	2-7/8	2	10d	2	10d	F1	450	520	320	370					
										F2	465	535	330	380					
AC5	L50	16	1-5/16	2-3/8	4-7/8	3	10d	3	10d	F1	995	1145	705	815					
										F2	930	1070	660	760					
AC7	L70	16	1-5/16	2-3/8	6-15/16	4	10d	4	10d	F1	1120	1285	795	910					
										F2	1335	1535	950	1090					
AC9	L90	16	1-5/16	2-3/8	8-7/8	5	10d	5	10d	F1	1860	2135	1320	1515					
										F2	1335	1535	950	1090					
JA1	A21	16	1-1/2	1-1/2	1-1/4	2	10d x 1-1/2	2	10d x 1-1/2	F1	421	484	299	344					
										F2	562	647	399	459					
JA3	---	14	2-1/2	2-1/2	3	4	16d	4	10d x 1-1/2	F1	963	1108	684	786					
										F2	874	1005	620	713					
JA5	---	14	2-1/2	2-1/2	5	6	16d	6	10d x 1-1/2	F1	1556	1790	1105	1271					
										F2	1665	1915	1182	1360					
JA7	---	14	2-1/2	2-1/2	7	8	16d	8	10d x 1-1/2	F1	3058	3517	2171	2497					
										F2	2664	3064	1892	2176					
JA9	---	14	2-1/2	2-1/2	9	10	16d	10	10d x 1-1/2	F1	3767	4333	2675	3076					
										F2	2697	3102	1915	2202					

- 1) The factored resistance is derived as directed in Canadian Standard CAN/CSA-086-01.
- 2) The 115% values are short-term loads such as wind and earthquake.
- 3) 8d x 1-1/2 nails are 11 gauge (0.131 diameter) by 1-1/2 long and 10d x 1-1/2 nails are 9 gauge (0.148 diameter) by 1-1/2 long.
- 4) If installing MP4F or MP6F over plywood, use 8d common nails for 100% of table load.
- 5) Factored resistances are shown per angle. When using a single anchor, joist must be constrained from rotation.
- 6) Minimum nail embedment shall be 1-1/2 for 10d nails and 1-5/8 for 16d nails.
- 7) For 1-1/2 lumber, use 0.98 of table load for 10d nails and 0.92 for 16d nails.

Use in conjunction with USP's current Canadian Product Catalogue for detailed hanger information.

APPROVED BY



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