



INSIGHTS

FOR MASONRY DESIGN

Reference Chart for height/thickness ratios of 30:1 & 50:1

WALL HEIGHT	4" CLAY	6" CLAY	6" CMU	8" CLAY	8" CMU	10" CLAY	10" CMU	12" CLAY	12" CMU	16" CMU
67 FT	<p>CMU = CONCRETE MASONRY UNITS CLAY = HOLLOW STRUCTURAL CLAY MASONRY UNITS</p> <p>"TYPICAL" REFERS TO TYPICAL MASONRY UNIT STRENGTHS, COMMON FOR CONCRETE F'M=2500 PSI, AND CLAY F'M=4000 PSI; AND COMMON REINFORCING BARS SUCH AS #4, #5, OR #6</p> <p>"HEAVY REINFORCEMENT" REFERS TO THE LIKELIHOOD OF NEEDING LARGER REINFORCING BARS SUCH AS #7, #8, OR #9 AND DOUBLE REINFORCED CELLS</p> <p>THIS CHART IS NOT A REPLACEMENT FOR DESIGN, ALL MASONRY WALLS NEED TO BE DESIGNED BY A STRUCTURAL ENGINEER FOR ACTUAL MATERIAL STRENGTHS AND PROJECT SPECIFIC LOAD CONDITIONS</p>									
50 FT										
45 FT										
42 FT										
40 FT										
35 FT										
33 FT										
30 FT										
25 FT										
20 FT										
15 FT										
10 FT										
5 FT										
	4" CLAY	6" CLAY	6" CMU	8" CLAY	8" CMU	10" CLAY	10" CMU	12" CLAY	12" CMU	16" CMU