

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		CMU = CO	ONCRETE M	MASONRY L	JNITS					
	CLAY = HOLLOW STRUCTURAL CLAY MASONRY UNITS "TYPICAL" REFERS TO TYPICAL MASONRY UNIT STRENGTHS, COMMON FOR								0.0	
		CONCRET	ΓΕ F'M=250	O TYPICAL MASONRY UNIT STRENGTHS, COMMON FOR D PSI, AND CLAY F'M=4000 PSI; AND COMMON SUCH AS #4, #5, OR #6						
					T" REFERS TO THE LIKELIHOOD OF NEEDING LARGER CH AS #7, #8, OR #9 AND DOUBLE REINFORCED CELLS					
		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								HIGH STRENGTH CMU & HEAVY REINFORCEMENT
50 FT										TH CM
										REINI
45 FT									Ë	IH STI
42 FT									WE WE	를 % 표
40 FT							IU EMENT	HEAVY REINFORCEMENT	HIGH STRENGTH CMU & HEAVY REINFORCEMENT	
35 FT						눌	H CN ORC	7 FOR	STR AVY I	CAL
33 FT						CEME	REINF	HEA	HGH & H	TYPICAL
30 FT				CEMENT	ENGTH EAVY CEMENT	HEAVY REINFORCEMENT	HIGH STRENGTH CMU & HEAVY REINFORCEMENT			
25 FT		SEMENT	EAVY CEMENT	HEAVY REINFORCEMENT	HIGH STRENGTH CMU & HEAVY REINFORCEMENT			TYPICAL	TYPICAL	
20 FT		HEAVY REINFORCEMENT	HIGH STRENGTH CMU & HEAVY REINFORCEMENT			TYPICAL	TYPICAL			
15 FT	HEAVY REINF									
10 FT										
5 FT	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL					
	4" CLAY	6" CLAY	6" CMU	8" CLAY	8" CMU	10" CLAY	10" CMU	12" CLAY	12" CMU	16" CMU