

BUILDBLOCK® BUILDING SYSTEMS U.S. ENGINEERING TABLES

HIGH WIND LOAD LINTEL TABLES FOR 4" ICF LINTELS

Reinforcement In 4" Thick, 32" High Concrete Lintel FBC 2004/ACI 318-05

Opening Width [ft]	Uniformly Distributed Load [lb/ft] [‡]									
	350		850		1350		1850		2350	
	Bottom Steel	Stirrup End Dist. [in]	Bottom Steel	Stirrup End Dist. [in]	Bottom Steel [in ²]	Stirrup End Dist. [in]	Bottom Steel	Stirrup End Dist. [in]	Bottom Steel	Stirrup End Dist. [in]
3	1-#4	0	1-#4	0	1-#4	0	1-#4	0	1-#4	6
4	1-#4	0	1-#4	0	1-#4	0	1-#4	6	1-#4	12
6	1-#4	0	1-#4	0	1-#4	12	1-#4	18	1-#5	24
8	1-#4	0	1-#4	12	1-#5	24	1-#5	30	1-#6	36
10	1-#4	0	1-#5	24	1-#6	36	1-#6	42	1-#6	48
12	1-#4	0	1-#6	36	1-#6	48	1-#7	54	1-#8	60
14	1-#5	12	1-#6	48	1-#7	60	1-#8	66		
16	1-#5	24	1-#6	60	1-#8	72				
18	1-#6	36	1-#7	72						
20	1-#6	48	1-#8	84						

Assumptions:

6" bearing on each side

#3 Stirrups @ 6 in. o.c. - As needed

Max 2 stories (1 structural floor and roof)

1-#7 can be substituted for 2-#5

1-#8 can be substituted for 2-#6

‡ These are service level or working loads

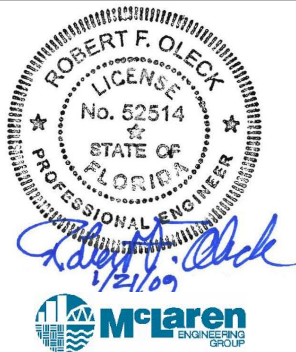
f'_c = 3000 psi Concrete

f_y = 60 ksi Rebar

f_y = 40 ksi Stirrups

h = 32 in

b = 4 in



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4" Thick, 32" High
Concrete Lintel

TABLE NUMBER

1-E