

LINTEL UNIFORM LOAD DESIGN TABLES

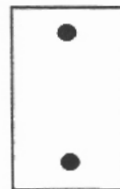
NORMAL WEIGHT CONCRETE BLOCK LINTELS

		4 X 8 NOMINAL LINTEL			6 X 8 NOMINAL LINTEL			8 X 8 NOMINAL LINTEL		
LINTEL LENGTH	CLEAR SPAN	REBARS	WEIGHT (LBS)	MAX LOAD (LB/LIN.FT.)	REBARS	WEIGHT (LBS)	MAX LOAD (LB/LIN.FT.)	REBARS	WEIGHT (LBS)	MAX LOAD (LB/LIN.FT.)
24	8	1-#4 T 1-#4 B	56	1612	1-#4 T 1-#4 B	86	2501	2-#4 T 2-#4 B	117	3391
30	14		70	1158		108	1797		146	2436
32	16		74	1058		115	1642		156	2226
40	24		93	784		144	1217		195	1650
44	28		102	694		158	1076		215	1459
48	32		111	621		173	964		234	1307
52	36		121	562		187	872		254	1182
56	40		130	513		202	796		273	1079
64	48		148	436		230	676		312	917
72	56		167	378		259	586		351	795
80	64		186	333		288	517		390	701
88	72		204	297		317	461		429	625
98	80		227	268		353	390		478	564
104	88		241	244		374	322		507	512
108	92		250	233		389	293		527	490
112	96		260	223		403	268		546	469
120	96	278	223	432	268	585	469			
128	104	297	205	461	226	624	432			
136	112	315	190	489	192	664	388			
144	120	334	167	518	164	703	335			

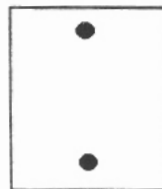
DESIGN NOTES:

1. MAXIMUM LOADING IS SUPERIMPOSED LOAD CAPACITY OF LINTEL
2. COMPRESSIVE STRENGTH OF CONCRETE IS $f_c = 2500$ PSI
3. REINFORCING STEEL STRENGTH IS $f_y = 60,000$ PSI
4. DESIGN BASED ON ACI 318 - STRENGTH DESIGN
5. LINTEL BEARING LENGTH
 - 8" FOR LINTELS UNDER 10 FEET IN LENGTH
 - 12" FOR LINTELS 10 FEET AND LONGER IN LENGTH
6. RESULTS BASED ON 1.5" OF COVER
7. NO SHEAR REINFORCEMENT
8. DEFLECTION NOT TAKEN INTO CONSIDERATION
9. UNIT WEIGHT OF CONCRETE = 145 PCF

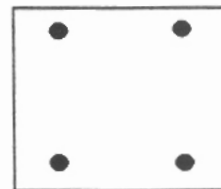
STEEL REBAR LOCATIONS



4X8



6X8



8X8