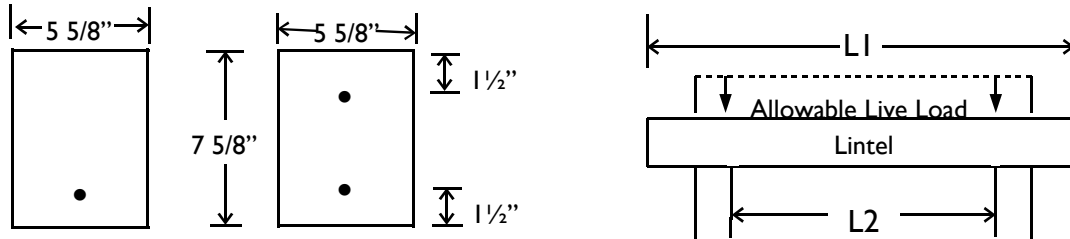


Freestate Lintels

P.O. Box 478, Hagerstown, MD 21741
301-739-6080



Typical Cross Sections

Loading Diagram

6" x 8" Cross Section Lintels

Nominal Lintel Length (L1)	Clear Span (L2)	Reinforcement		Calculated Maximum Allowable Superimposed, Uniformly Distributed Live Load in Pounds Per Lineal Foot*
		Top Bar	Bottom Bar	
36"	1' - 8"	None	One #3	1400
40"	2' - 0"	None	One #3	1260
44"	2' - 4"	None	One #3	1100
48"	2' - 8"	None	One #4	1650
52"	3' - 0"	One #3	One #4	1530
56"	3' - 4"	One #3	One #4	1410
60"	3' - 8"	One #3	One #4	1200
64"	4' - 0"	One #3	One #4	985
68"	4' - 4"	One #3	One #4	810
72"	4' - 8"	One #3	One #4	700
76"	5' - 0"	One #3	One #4	620
80"	5' - 4"	One #3	One #4	515
84"	5' - 8"	One #3	One #4	440
88"	6' - 0"	One #3	One #4	390
92"	6' - 4"	One #3	One #4	235
96"	6' - 8"	One #3	One #4	200
100"	7' - 0"	One #3	One #5	185
104"	7' - 4"	One #3	One #5	165
108"	7' - 8"	One #3	One #5	150
112"	8' - 0"	One #3	One #5	130
116"	8' - 4"	One #3	One #5	120
120"	8' - 8"	One #3	One #5	105
124"	9' - 0"	One #3	One #5	95
128"	9' - 4"	One #3	One #5	85
132"	9' - 8"	One #3	One #5	75
136"	10' - 0"	One #3	One #5	65
140"	10' - 4"	One #3	One #5	60
144"	10' - 8"	One #3	One #5	55

* The calculated sum of immediate live load deflection is less than L/600.

Design Criteria: ACI-318
Reinforcement Standard: ASTM-A615 Grade 60
Minimum Lintel Compressive Strength: 3,000 psi at 28 days
Lintel Design Dead Load: 29 Pounds per Lineal Foot