

Table 5.12

MIDDLE PORTION OF SPAN, A, WHERE STIRRUPS ARE NOT REQUIRED FOR FLAT ICF LINTLELS
 1,2,3,4,5,6,7 (N12 OR N16 BOTTOM BAR SIZE)

MINIMUM LINTEL THICKNESS, T (mm)	MINIMUM LINTEL DEPTH, D (mm)	MIDDLE SPAN NOT REQUIRING STIRRUPS (mm)					
		SUPPORTING LIGHT-FRAME ROOF ONLY		SUPPORTING LIGHT-FRAME SECOND STORY AND ROOF		SUPPORTING ICF SECOND STORY AND LIGHT-FRAME ROOF.	
		MAXIMUM GROUND SNOW LOAD (kN/m ²)					
		1.44	3.35	1.44	3.35	1.44	3.35
90	200	360	230	200	150	150	130
	300	580	380	330	250	250	200
	400	790	530	450	350	350	300
	500	990	690	580	450	450	380
	600	1190	810	710	550	550	450
140	200	580	360	300	230	250	200
	300	910	600	500	400	400	330
	400	1240	840	710	550	580	450
	500	1600	1070	910	710	740	600
	600	1900	1300	1120	860	890	740
190	200	760	500	430	330	330	280
	300	1240	840	710	550	550	450
	400	1700	1140	990	760	790	640
	500	2160	1470	1240	990	1020	840
	600	2590	1750	1520	1190	1220	990
240	200	960	640	530	400	430	350
	300	1570	1040	890	690	710	580
	400	2160	1450	1240	960	990	810
	500	2740	1850	1600	1240	1270	1040
	600	3280	2240	1930	1500	1550	1270

1 This table is applicable to Tables 5.8A and 5.8B. The values are based on concrete with a minimum specified compressive strength of 17.2 MPa, reinforcing steel with a minimum yield strength of 414 MPa, and a building width (floor and roof clear span) of 9.8m.

2 Deflection criterion is L/240, where L is the clear span of the lintel.

3 Linear interpolation is permitted between lintel depths. Lintel depth, D, is permitted to include the available height of ICF wall located directly above the lintel, provided that the increased lintel depth spans the entire length of the lintel.

4 The middle portion of the span, A, shall be permitted to be multiplied by 1.09 when concrete with a minimum compressive of 25 MPa is used.

5 The middle portion of the span, A, shall be permitted to be multiplied by 1.26 when concrete with a minimum compressive of 30