

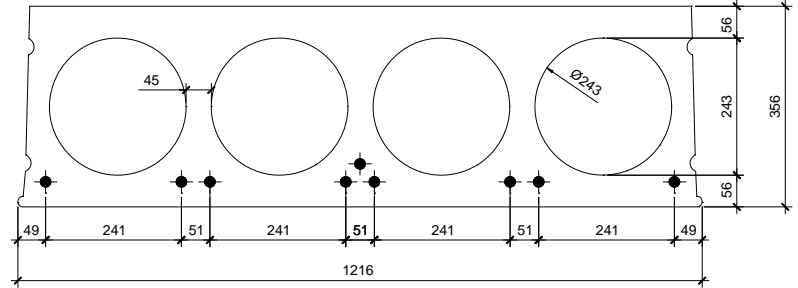


Safe Load Tables

SECTIONAL PROPERTIES

	UNTOPPED	TOPPED
A =	2.44(10 ⁵)mm ²	3.05(10 ⁵)mm ²
I =	3.82(10 ⁹)mm ⁴	5.36(10 ⁹)mm ⁴
Yt =	178mm	198 mm
Yb =	178mm	208 mm
St =	21.47(10 ⁶)mm ³	2.71(10 ⁷)mm ³
Sb =	21.47(10 ⁶)mm ³	2.57(10 ⁷)mm ³
bw =	226 mm	226 mm
Wgt =	4.69 kPa	5.89 kPa
v/s =	78.7	
f'ci=	24.1MPa	f'c=41.4MPa
f'ct=	20.7MPa	fpu=1850MPa

356 x 1220 HOLLOWCORE SLAB



356 mm HC (UNTOPPED)

SPAN (m)

Strand Designation Code	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	
88-S	5.7 12.7 12.7	5.3 12.7 10.2	4.8 10.2 7.6	4.4 10.2 5.1	4.0 7.6 2.5	3.6 5.1 0.0	3.3 2.5 -5.1	3.0 0.0 -7.6	2.7 -2.5 -12.7	2.4 -5.1 -17.8	2.2 -7.6 -22.9	1.9 -12.7 -30.5	1.7 -15.2 -35.6	1.4 -20.3 -43.2								
108-S	7.1 22.9 22.9	6.6 20.3 22.9	6.2 20.3 20.3	5.8 20.3 17.8	5.4 17.8 17.8	5.1 17.8 12.7	4.7 15.2 10.2	4.4 12.7 7.6	4.1 10.2 2.5	3.7 7.6 0.0	3.4 5.1 -5.1	3.1 2.5 -10.2	2.8 0.0 -17.8	2.6 -5.1 -22.9	2.3 -10.2 -30.5	2.1 -12.7 -38.1						
*128-S	8.2 30.5 38.1	7.7 30.5 35.6	7.2 30.5 35.6	6.8 30.5 33.0	6.4 30.5 33.0	5.9 27.9 30.5	5.6 27.9 27.9	5.2 25.4 25.4	4.9 25.4 22.9	4.6 20.3 17.8	4.3 17.8 15.2	4.0 20.3 12.7	3.7 15.2 7.6	3.5 12.7 3.3	3.3 7.6 3.0	3.0 5.1 0.0	2.8 0.0 -5.1	2.7 -5.1 -10.2	2.4 -10.2 -35.6			
*148-S	9.1 41.1 50.8	8.6 43.2 50.8	8.1 43.2 50.8	7.6 43.2 50.8	7.2 43.2 50.8	6.8 43.2 48.3	6.4 40.6 48.3	6.0 40.6 45.7	5.7 40.6 43.2	5.4 38.1 40.6	5.1 38.1 38.1	4.8 35.6 33.0	4.5 33.0 30.5	4.2 30.5 25.4	4.0 27.9 20.3	3.7 25.4 15.2	3.4 20.3 7.6	3.3 17.8 2.5	3.0 12.7 -5.1	2.8 10.2 -12.7	2.6 5.1 -22.9	

356 mm HC (TOPPED)

SPAN (m)

Strand Designation Code	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	
88-s	5.9 12.7 5.1	5.4 12.7 2.5	4.8 10.2 0.0	4.4 10.2 -2.5	4.0 7.6 -5.1	3.5 5.1 -10.2	3.2 2.5 -12.7	2.8 0.0 -17.8	2.5 -2.5 -22.9	2.2 0.0 -0.1	1.9 0.0 -0.1	1.6 0.0 -0.1										
108-S	7.8 22.9 15.2	7.2 20.3 15.2	6.7 20.3 12.7	6.2 20.3 10.2	5.8 17.8 7.6	5.3 17.8 2.5	4.8 15.2 0.0	4.4 12.7 -5.1	4.0 10.2 -7.6	3.6 7.6 -12.7	3.3 5.1 -17.8	3.0 2.5 -25.4	2.6 0.0 -30.5	2.3 -5.1 -38.1								
*128-S	9.1 30.5 27.9	8.5 30.5 25.4	7.9 30.5 25.4	7.4 30.5 22.9	6.9 30.5 20.3	6.4 27.9 17.8	6.0 27.9 15.2	5.6 25.4 12.7	5.2 25.4 7.6	4.8 22.9 5.1	4.5 20.3 0.0	4.1 17.8 -5.1	3.8 15.2 -10.2	3.5 12.7 -17.8	3.3 7.6 -25.4	3.0 5.1 -30.5	2.7 0.0 -40.6					
*148-S	10.2 40.6	9.7 43.2	9.1 43.2	8.5 43.2	8.0 43.2	7.5 43.2	7.0 40.6	6.6 40.6	6.2 40.6	5.8 38.1	5.4 38.1	5.0 35.6	4.7 33.0	4.4 30.5	4.1 27.9	3.7 25.4	3.5 20.3	3.2 17.8	3.0 12.7	2.7 10.2		

NOTES:

1. Loads indicated are totals superimposed service loads in kN/m².
2. Design confirms with ACI-318-99 and CSA 23.3-94.
3. For higher loads than indicated - contact manufacturer.
4. Live load deflection is less than L/360.
5. The camber values provided are only estimated and should not be used as absolute values. Always contact manufacturer, if camber is a concern.