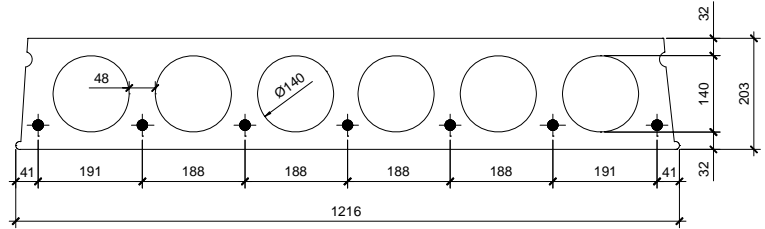


Safe Load Tables
SECTIONAL PROPERTIES

	UNTOPPED	TOPPED
A	$= 1.555 \times 10^5 \text{mm}^2$	$1.994 \times 10^5 \text{mm}^2$
I	$= 7.405 \times 10^8 \text{mm}^4$	$1.301 \times 10^9 \text{mm}^4$
Yt	= 102 mm	125 mm
Yb	= 102 mm	130 mm
St	$= 7.292 \times 10^6 \text{mm}^3$	$1.045 \times 10^7 \text{mm}^3$
Sb	$= 7.292 \times 10^6 \text{mm}^3$	$1.005 \times 10^7 \text{mm}^3$
bw	= 381 mm	381 mm
Wgt	= 2.97 kN/m ²	4.17 kN/m ²
v/s	= 54.61 mm	
f'ci	= 24 MPa	f'c = 41 MPa
f'ct	= 21 MPa	fpu = 1860 MPa



203 x 1220 HOLLOWCORE SLAB



203 mm HC (UNTOPPED)																				
SPAN (m)																				
STRAND DESIGNATION CODE	4.5	4.8	5.1	5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.1	10.4
48-S	15.7 5.1 7.6	13.5 5.1 7.6	11.7 5.1 7.6	10.2 5.1 7.6	8.9 7.6 7.6	7.8 7.6 7.6	6.8 7.6 7.6	6.0 5.1 7.6	5.3 5.1 7.6	4.6 5.1 5.1	4.1 5.1 2.5	3.6 2.5 2.5	3.2 2.5 0.0	2.7 0.0 -2.5	2.4 -2.5 -5.1	2.1 -5.1 -10.2	1.8 -7.6 -12.7	1.5 -10.2 -17.8		
58-S		17.2 7.6 10.2	14.9 7.6 10.2	13.1 7.6 12.7	11.5 10.2 12.7	10.1 10.2 12.7	9.0 10.2 12.7	7.9 10.2 12.7	7.0 10.2 12.7	6.3 10.2 12.7	5.5 10.2 10.2	5.0 7.6 10.2	4.5 7.6 7.6	3.9 7.6 5.1	3.5 5.1 0.0	3.1 2.5 0.0	2.8 0.0 -2.5	2.4 -2.5 -7.6	2.2 -5.1 -10.2	1.9 -7.6 -17.8
78-S				18.5 12.7 17.8	16.4 15.2 20.3	14.6 15.2 20.3	13.0 17.8 22.9	11.6 17.8 22.9	10.4 17.8 23.1	9.3 17.8 25.4	8.4 20.3 25.4	7.6 20.3 25.4	6.8 20.3 22.9	6.2 17.8 22.9	5.6 17.8 22.9	5.1 17.8 20.3	4.6 17.8 17.8	4.2 15.2 15.2	3.8 12.7 12.7	3.4 10.2 7.6

203 mm HC (TOPPED)																					
SPAN (m)																					
STRAND DESIGNATION CODE	4.5	4.8	5.1	5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.1	10.4	
48-S	18.7 5.1 5.1	16.0 5.1 5.1	13.8 5.1 5.1	11.9 5.1 5.1	10.3 7.6 5.1	9.0 7.6 5.1	7.9 7.6 5.1	6.8 5.1 2.5	6.0 5.1 2.5	5.2 5.1 0.0	4.5 5.1 -2.5	3.9 2.5 -5.1	3.4 2.5 -7.6	2.9 0.0 -12.7	2.5 -2.5 -15.2	2.1 -5.1 -20.3	1.7 -7.6 25.4	1.4 -10.2 -33.0	1.1 -12.7 -38.1		
58-S			17.4 7.6 7.6	15.1 7.6 10.2	13.2 10.2 10.2	11.6 10.2 7.6	10.2 10.2 7.6	9.0 10.2 7.6	7.9 10.2 7.6	7.0 10.2 5.1	6.2 10.2 5.1	5.5 7.6 2.5	4.8 7.6 0.0	4.2 7.6 -2.5	3.7 5.1 -7.6	3.3 2.5 -12.7	3.3 0.0 -17.8	2.8 -2.5 -17.8	2.4 -5.1 -22.9	2.1 -7.6 -27.9	1.9 -35.6 -35.6
78-S						16.5 15.2 15.2	14.6 17.8 17.8	13.0 17.8 17.8	11.6 17.8 17.8	10.4 17.8 17.8	9.3 20.3 15.2	8.3 20.3 15.2	7.5 20.3 12.7	6.7 17.8 10.2	6.0 17.8 7.6	5.4 17.8 5.1	4.8 15.2 2.5	4.4 15.2 -2.5	3.9 12.7 -7.6	3.4 10.2 -12.7	

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. Loads to the left and below solid line are controlled by shear. Contact Manufacturer.
4. For higher loads than indicated - Contact Manufacturer.
5. Live load deflection is less than L/360.
6. The camber values provided are only estimated and should not be used as absolute values. Always contact manufacturer, if camber is a concern.