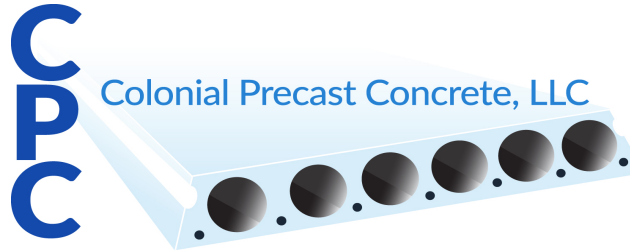




CPC LLC
5250 Linwood Rd.
Placida, FL 33946



www.hollowcore.net
P (941) 662 5634
F (941) 698 8888

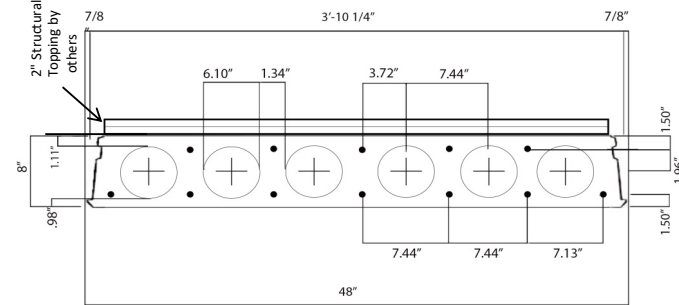


8" x 4'-0" Hollowcore Slab 2" Structural Topping

ASTM 416 7 Wire LoLax 270 KSI	Strand Area in ²	φM _N in ft-kips per Unit	Simple Span (ft)																								φVc in kips per Unit
			14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
4 1/2" Diameter	0.612	92.0	205	195	200	220	200	195	180	165	140	120	100	85	65	45											18.8
5 1/2" Diameter	0.765	112.0		345	330	305	290	280	240	220	200	175	150	125	100	90	80	70	60	50	40						18.8
6 1/2" Diameter	0.918	139.3			340	315	295	275	255	240	225	215	195	175	160	145	130	110	95	75	65	55	45				18.8
7 1/2" Diameter	1.071	160.0					320	310	290	280	270	255	240	225	215	200	175	150	135	120	105	90	75	65	55	45	18.8

CPC load tables are based on the following assumptions:

- 1- Loads are in PSF
- 2- Precast Concrete f_c =6000 psi Field Topping f_c =4000psi
- 3- Loads are based on slabs being 100% grouted.
- 4- Allowable superimposed service loads include dead load of 20 psf.
- 5- Loads are based on ACI 318-14.
- 6- Camber is inherent to flexural prestressed members. Slabs of unequal spans or a change in span direction will result in differential camber. Call CPC Engineering Department for guidance with the design layout.
- 7- Values in shaded boxes require deflection analysis. Contact CPC Engineering Department.
- 8- Values to the left of the dark stepped lines are shear critical. Contact CPC Engineering Department.
- 9- Slabs designed with composite structural topping must be properly cleaned and completely saturated before topping placement to insure adequate bond.



Area Composite	289 in ²
Thermal R Value	1.6
STC	55
IIC	28

