MID-STATES
CONCRETE INDUSTRIES

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03.31.17

10" X 48" HOLLOWCORE

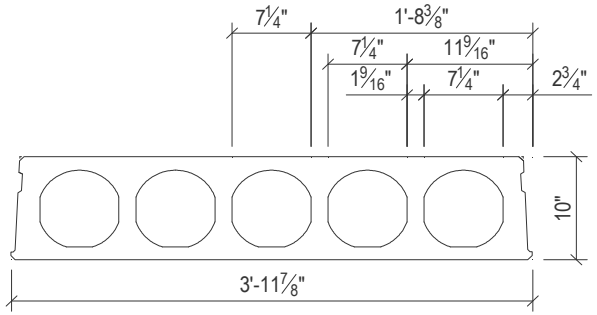
(2 HOUR FIRE RATING) **SAFE LOAD TABLE**

Standard Designation	#/Size of 7-Wire strand	Strand Area Sq.In.	Mu in Ft.-Kips per unit	SIMPLE SPAN IN FEET-CENTER TO CENTER OF END BEARINGS																															
				10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1.75-108	10-1/2	1.530	218.46																				188	180	173	166	159	153	147	141	133	123	114	105
1.75-28410	2-1/2,4-.6	1.174	172.63														252	239	227	217	207	197	186	170	156	143	131	121	111	102	93	85	78	72
1.75-68	6-1/2	0.918	137.87									337	317	298	281	266	251	226	204	185	167	152	138	125	114	103	94	85	77	70	63	57	51	46
1.75-67	6-7/16	0.690	105.59	651	587	534	488	450	416	386	360	328	289	255	227	201	180	160	144	129	115	103	93	83	74	66	59	52	46	41	36	30	25	21

UNIFORMLY DISTRIBUTED SUPERIMPOSED LOAD IN LBS. PER SQ. FT.

(Includes the live load plus dead load that is in addition to the weight of the grouted slabs in place.)

FOR LOADS & SPANS NOT SHOWN CONTACT MID-STATES CONCRETE INDUSTRIES



1- Dead Load, 72 psf grouted weight of structural unit.

2- Tabulated loads are based on ACI318-02 where M_u=1.4 M_d+1.7M_L and with all loads superimposed on the structural section considered as live load.

3- Camber is a result of the design rather than a design requirement. Heavy superimposed loads & / or long spans may cause excessive camber. Contact Mid-States Concrete Industries for more specific camber information.

4- Loads to the left of the solid stepped line are governed by shear.

HOLLOWCORE: F'c = 9000 psi, WEIGHT = 72 psf
GROUT: F'c = 5000 psi

PCI™ Certified Plant