MID-STATES
CONCRETE INDUSTRIES

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03.31.17

10" X 48" HOLLOWCORE

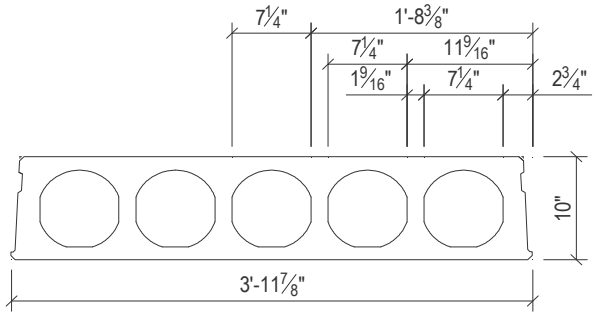
(4 HOUR FIRE RATING) **SAFE LOAD TABLE**

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									337	317	298	281	266	248	222	200	180	162	146	131	118	107	96	86	77	69	62	55	48	43	37
1.75-28410	2-1/2,4-.6	1.174	172.63						416	386	360	332	291	256	226	200	177	157	140	124	110	98	87	76	67	59	52	45	38	33	27	22		
1.75-68	6-1/2	0.918	137.87		587	534	488	450	385	330	285	247	215	187	163	143	125	109	96	83	72	63	54	46	39	32	26	21						
1.75-67	6-7/16	0.690	105.59	651	568	467	388	325	275	233	199	170	146	125	107	92	78	66	56	47	38	31	24											

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