



MID-STATES
CONCRETE INDUSTRIES

500 South Park Avenue

South Beloit, IL 61080

800.236.1072

msprecast.com

10" X 48" HOLLOW CORE

(4 HOUR FIRE RATING) see note 7

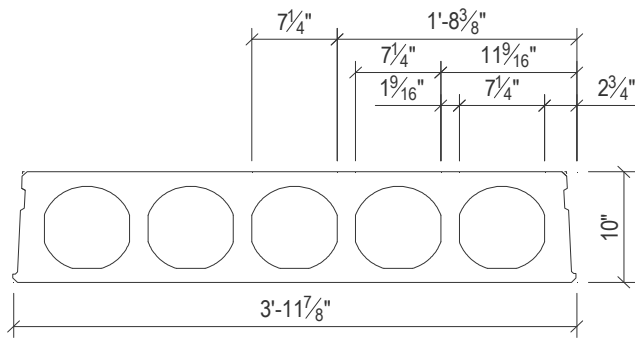
SAFE LOAD TABLE

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	608	548	498	456	419	388	360	336	314	295	277	261	247	234	217	195	175	157	141	126	113	102	91	81	72	64	57	50	43							
1.75-28410	2-1/2,4-.6	1.174	172.63	608	548	480	422	375	335	302	273	249	227	208	192	195	172	152	135	119	105	93	82	71	62	54	47	40											
1.75-68	6-1/2	0.918	137.87	546	468	407	358	317	284	255	230	209	210	182	158	138	120	104	91	78	67	58	49	41															

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



HOLLOW CORE: F'c = 9000 psi, WEIGHT = 72 psf

- 1- Dead Load, 72 psf grouted weight of structural unit.
- 2- Tabulated loads are based on ACI318-14 where $M_u = 1.2 M_d + 1.6 M_L$ 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- Shaded blue values are governed by shear.
- 5- Shaded red values governed by M_{cr} criteria at partially developed strands.
- 6- All strand stresses to 65% of ultimate.
- 7- Plank needs cementitious topping for 4 hr. heat transmission to be met.