



**MID-STATES**  
CONCRETE INDUSTRIES

500 South Park Avenue

South Beloit, IL 61080

800.236.1072

msprecast.com

## **12" X 48" HOLLOW CORE**

**(4 HOUR FIRE RATING) see note 6**

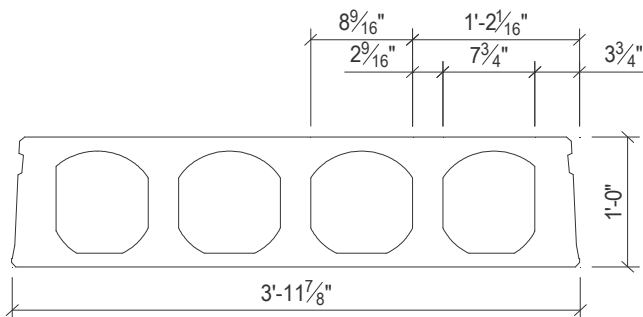
**SAFE LOAD TABLE**

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																														
				20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1.75-28910	2-1/2,9-.6	2.259	392.42	493	466	442	421	401	382	365	340	311	284	260	239	219	202	185	170	157	144	133	122	112	103	94	86	79	72	65	59	54	48	43
1.75-28610	2-1/2,6-.6	1.608	292.82	493	466	376	338	304	274	247	223	202	183	166	150	136	123	112	101	91	82	74	66	59	52	46	40							
1.75-88	8-1/2	1.224	228.62	344	305	270	241	215	192	171	153	137	122	109	97	86	76	67	59	52	45													
1.75-58	5-1/2	0.765	147.29	188	163	142	123	106	92	79	67	57	48	40																				

### **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 = 79 psf

- 1- Dead Load, 79 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- All strand stresses to 65% of ultimate.
- 6- Plank needs cementitious topping for 4 hr. heat transmission to be met.