



12" X 48" HOLLOWCORE

**2" STRUCTURAL TOPPING
(2 HOUR FIRE RATING)**

**COMPOSITE DESIGN
SAFE LOAD TABLE**

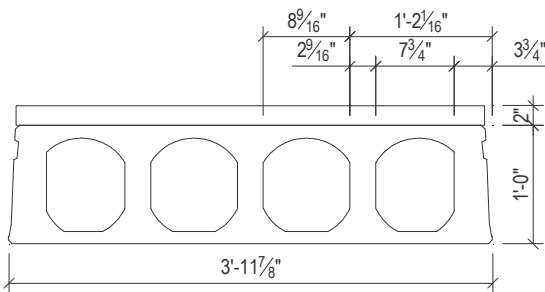
Standard Designation	#/Size of 7-Wire strand	Strand Area Sq.In.	Mu in Ft.-Kips per unit	SIMPLE SPAN IN FEET-CENTER TO CENTER OF END BEARINGS																														
				20	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
1.75-28910	2-1/2,9-.6	2.259	429.82				419	401	385	370	356	342	330	318	305	284	265	247	230	215	201	188	176	164	153	143	134	125	117	109	101	94	88	82
1.75-28610	2-1/2,6-.6	1.608	328.38		458	437	407	374	344	316	292	269	249	230	212	197	182	168	156	144	133	123	114	105	97	89	82	75	69	62	55	48	42	35
1.75-88	8-1/2	1.224	260.60	621	368	335	305	279	255	233	214	196	180	165	151	138	127	116	106	97	88	80	73	66	59	53	47	42	35	29	23			
1.75-78	7-1/2	1.071	231.84	596	318	288	262	239	217	198	181	165	150	137	125	114	103	94	85	77	69	62	55	49	43	38	33	27	21					
1.75-58	5-1/2	0.765	171.17	418	212	191	171	154	138	124	111	99	89	79	70	61	54	47	40	33	27	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 and 2" topping.)

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

- 1- Dead Load, 104 psf grouted weight of structural unit.
- 2- Tabulated loads are based on ACI318-02 where $M_u = 1.4 M_d + 1.7 M_L$ 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- Loads to the left of the solid stepped line are governed by shear.
- 5- Loads underlined are controlled by permissible flexural tension at service loads.



HOLLOWCORE: F'c = 9000 psi, WEIGHT = 79 psf
GROUT: F'c = 5000 psi
TOPPING: F'c = 4000 psi, WEIGHT = 25 psf

