MID-STATES
CONCRETE INDUSTRIES

500 South Park Avenue
South Beloit, IL 61080
800.236.1072
msprecast.com
03.31.17

12" X 48" HOLLOWCORE

2" STRUCTURAL TOPPING

(4 HOUR FIRE RATING)

COMPOSITE DESIGN

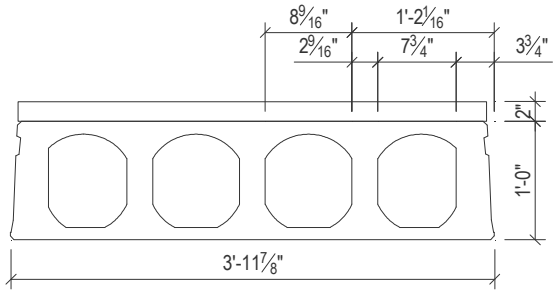
SAFE LOAD TABLE

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	621	422	384	350	319	291	266	244	223	204	187	171	156	142	130	118	108	98	88	80	72	64	57	50	44	38	33	28	23		
1.75-28610	2-1/2,6-.6	1.608	328.38	543	279	251	226	204	184	165	149	134	120	107	96	85	75	66	58	50	43	36	30	24										
1.75-88	8-1/2	1.224	260.60	395	191	170	151	133	118	104	91	79	69	59	50	42	34	27	21															
1.75-78	7-1/2	1.071	231.84	335	156	137	120	105	91	79	68	57	48	39	32	24																		
1.75-58	5-1/2	0.765	171.17	213	84	70	58	47	37	28	20																							

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



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

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+1.7M_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.

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