Mid-States Concrete Industries

flexicore

8"X48" HOLLOWCORE

(4 HOUR FIRE RATING)

1-800-236-1072
www.msprecast.com

PCI Certified Plant

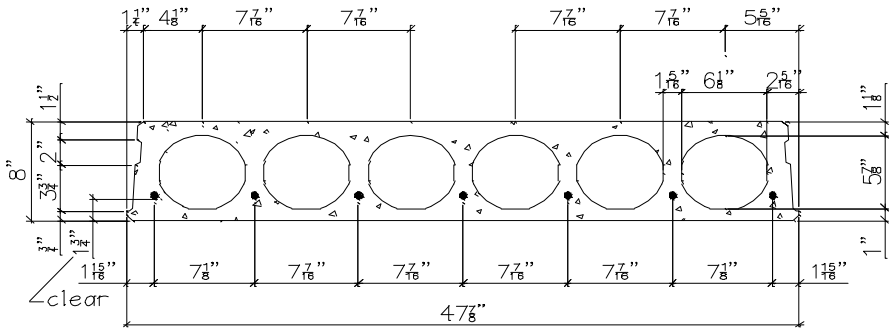
SAFE LOAD TABLE

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
1.75-28510	2-1/2,5-.6	1.391	145.03							296	276	258	242	228	202	179	159	142	126	113	101	90	80	71	63	56	50	44	38	33	28	24	20	
1.75-78	7-1/2	1.071	115.66			409	374	344	318	289	250	217	189	165	145	127	112	98	86	76	66	58	50	44	37	32	27	22							
1.75-77	7-7/16	0.805	89.52			408	340	286	242	206	176	152	130	112	97	84	72	62	53	44	37	31	25	20										
1.75-58	5-1/2	0.765	85.44	500	450	386	321	269	228	194	165	142	122	104	90	77	66	56	47	40	33	27	21											
1.75-48	4-1/2	0.612	69.52	456	367	300	248	206	172	145	122	103	87	73	62	51	42	34	28	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.)

FOR LOADS & SPANS NOT SHOWN CONTACT MID-STATES CONCRETE INDUSTRIES at 1-800-236-1072



HOLLOWCORE-f'c=9000psi, Wt=54psf
GROUT-f'c=5000psi

1- Dead Load, 54 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 Industriesw for more specific camber information.

4- Loads to the left of the solid stepped line are governed by shear

April 8, 2003