Mid-States Concrete Industries

flexicore

10"X48" HOLLOWCORE

2" STRUCTURAL TOPPING

(2 HOUR FIRE RATING)

COMPOSITE DESIGN

SAFE LOAD TABLE

1-800-236-1072

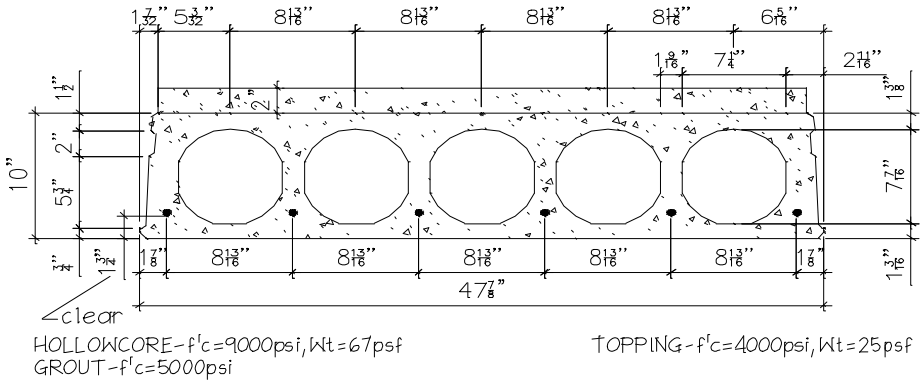
www.msprecast.com

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	254.02																				229	219	209	200	192	183	168	155	143	131	121	111
1.75-28410	2-1/2,4-.6	1.174	204.16													326	308	292	278	264	251	231	210	191	174	159	145	132	120	110	100	91	82	74
1.75-68	6-1/2	0.918	165.05									415	389	366	345	325	291	261	235	211	191	172	155	140	126	114	103	92	83	74	66	59	52	46
1.75-67	6-7/16	0.690	127.79	807	727	660	604	555	513	476	444	388	341	300	265	235	208	185	165	147	130	116	103	91	81	71	62	54	47	40	34	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, 92 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

5- Loads underlined are controlled by permissible flexural tension at service loads.

8.8.2006

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10"X48" HOLLOWCORE

2" STRUCTURAL TOPPING

(3 HOUR FIRE RATING)

COMPOSITE DESIGN

SAFE LOAD TABLE

1-800-236-1072

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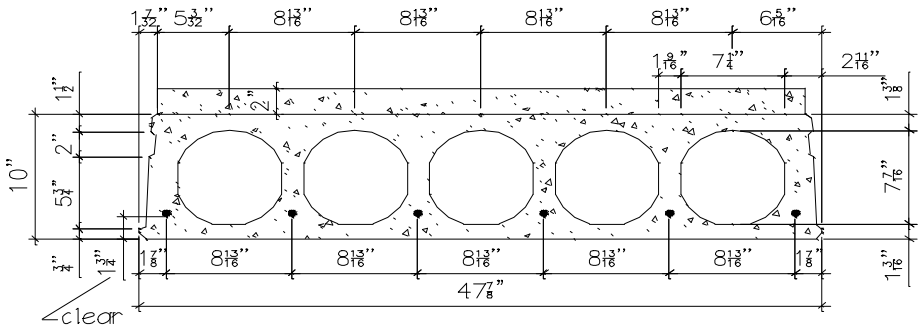
Standard Designation	#/Size of 7 Wire strand	Strand Area Sq.In.	Mu in Ft.-Kips per unit	SIMPLE SPAN IN FEET-CENTER TO CENTER OF END BEARINGS																														
				10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1.75-108	10-1/2	1.530	254.02													326	308	292	278	264	251	236	214	194	176	159	144	131	118	107	96	86	77	69
1.75-28410	2-1/2,4-.6	1.174	204.16									415	389	366	345	324	288	257	230	206	184	165	147	132	117	104	93	82	72	63	55	47	40	34
1.75-68	6-1/2	0.918	165.05					555	513	476	444	400	350	307	270	237	209	185	163	144	127	111	98	85	74	64	54	46	38	31	24			
1.75-67	6-7/16	0.690	127.79	807	727	660	604	527	447	382	328	282	244	211	183	159	137	119	102	87	74	63	52	43	34	26								

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=9000psi, Wt=67psf
GROUT-f'c=5000psi

TOPPING-f'c=4000psi, Wt=25psf

1- Dead Load, 92 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

8.8.2006

Mid-States Concrete Industries

flexicore

10"X48" HOLLOWCORE

2" STRUCTURAL TOPPING

(4 HOUR FIRE RATING)

COMPOSITE DESIGN

SAFE LOAD TABLE

1-800-236-1072

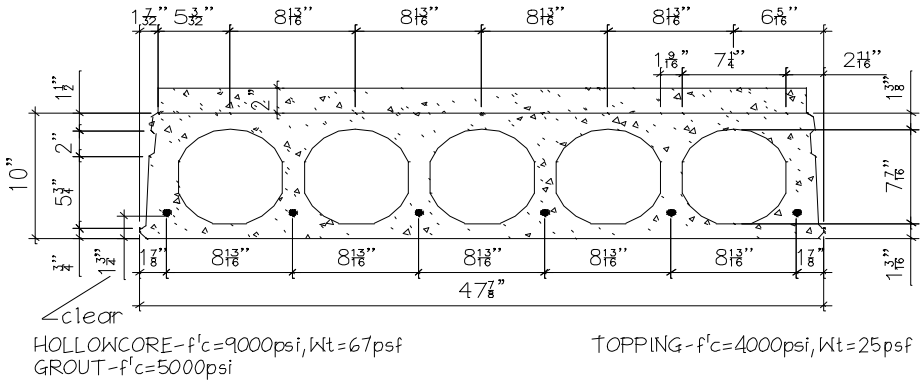
www.msprecast.com

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	254.02									415	389	366	345	326	293	262	234	209	188	168	150	134	120	107	95	84	74	65	57	49	42	35
1.75-28410	2-1/2,4-.6	1.174	204.16					555	513	476	444	398	347	305	268	236	208	183	162	143	126	110	97	84	73	63	54	45	38	30	24			
1.75-68	6-1/2	0.918	165.05		727	660	604	548	465	398	342	295	255	221	192	167	145	126	109	93	80	68	57	47	38	30	23							
1.75-67	6-7/16	0.690	127.79	807	694	568	471	393	331	279	237	202	171	146	124	104	88	73	60	49	38	29	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



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8.8.2006

Mid-States Concrete Industries

flexicore

10"X48" HOLLOWCORE

(2 HOUR FIRE RATING)

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

PCI Certified Plant

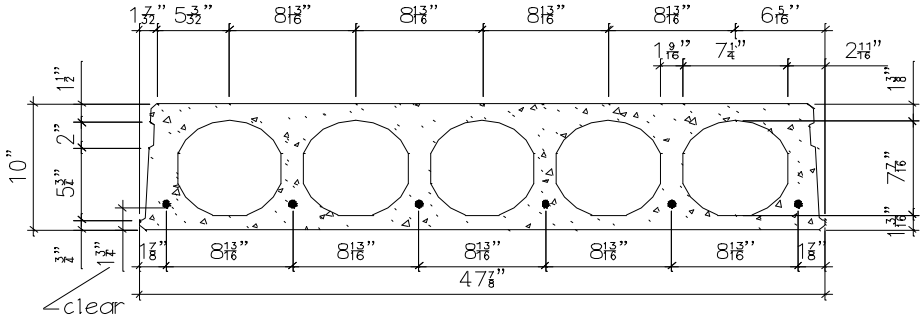
SAFE LOAD TABLE

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
1.75-108	10-1/2	1.530	218.46																				188	180	173	166	159	153	147	141	133	123	114	105
1.75-28410	2-1/2,4-.6	1.174	172.63														252	239	227	217	207	197	186	170	156	143	131	121	111	102	93	85	78	72
1.75-68	6-1/2	0.918	137.87									337	317	298	281	266	251	226	204	185	167	152	138	125	114	103	94	85	77	70	63	57	51	46
1.75-67	6-7/16	0.690	105.59	651	587	534	488	450	416	386	360	328	289	255	227	201	180	160	144	129	115	103	93	83	74	66	59	52	46	41	36	30	25	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



1- Dead Load, 67 psf grouted weight of structural unit.

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

8.8.2006

Mid-States Concrete Industries

flexicore

10"X48" HOLLOWCORE

(3 HOUR FIRE RATING)

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

Certified Plant

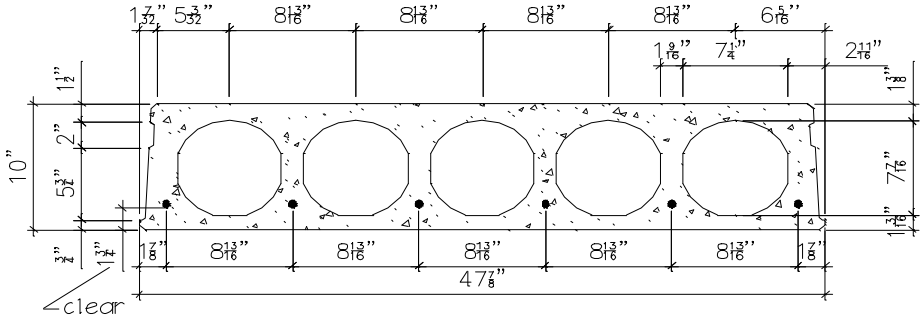
SAFE LOAD TABLE

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
1.75-108	10-1/2	1.530	218.46														252	239	227	217	207	197	185	169	154	140	128	116	106	97	88	80	72	65
1.75-28410	2-1/2,4-.6	1.174	172.63									337	317	298	281	266	244	219	196	176	159	143	129	116	104	94	84	75	67	60	53	47	41	36
1.75-68	6-1/2	0.918	137.87					450	416	386	360	334	293	258	227	201	178	158	141	125	111	99	87	77	68	60	52	45	39	33	28	23		
1.75-67	6-7/16	0.690	105.59	651	587	534	488	435	370	317	273	236	205	179	156	136	119	104	90	78	68	58	50	42	35	29	23							

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



HOLLOWCORE-f'c=9000psi, Wt=67psf
GROUT-f'c=5000psi

1- Dead Load, 67 psf grouted weight of structural unit.

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8.8.2006

Mid-States Concrete Industries

flexicore

10"X48" HOLLOWCORE

(4 HOUR FIRE RATING)

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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																														
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1.75-68	6-1/2	0.918	137.87		587	534	488	450	385	330	285	247	215	187	163	143	125	109	96	83	72	63	54	46	39	32	26	21						
1.75-67	6-7/16	0.690	105.59	651	568	467	388	325	275	233	199	170	146	125	107	92	78	66	56	47	38	31	24											

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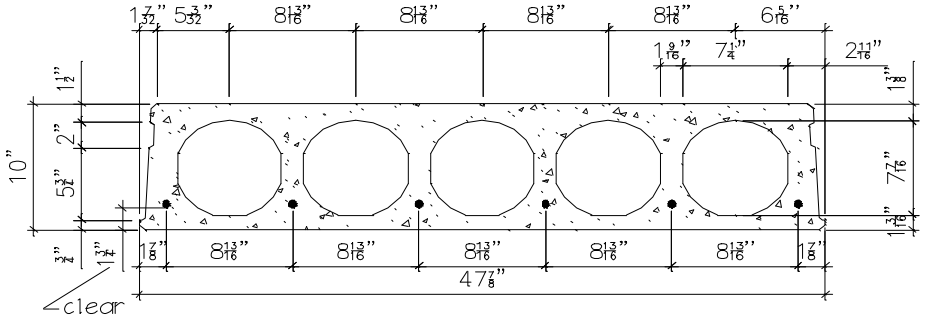

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