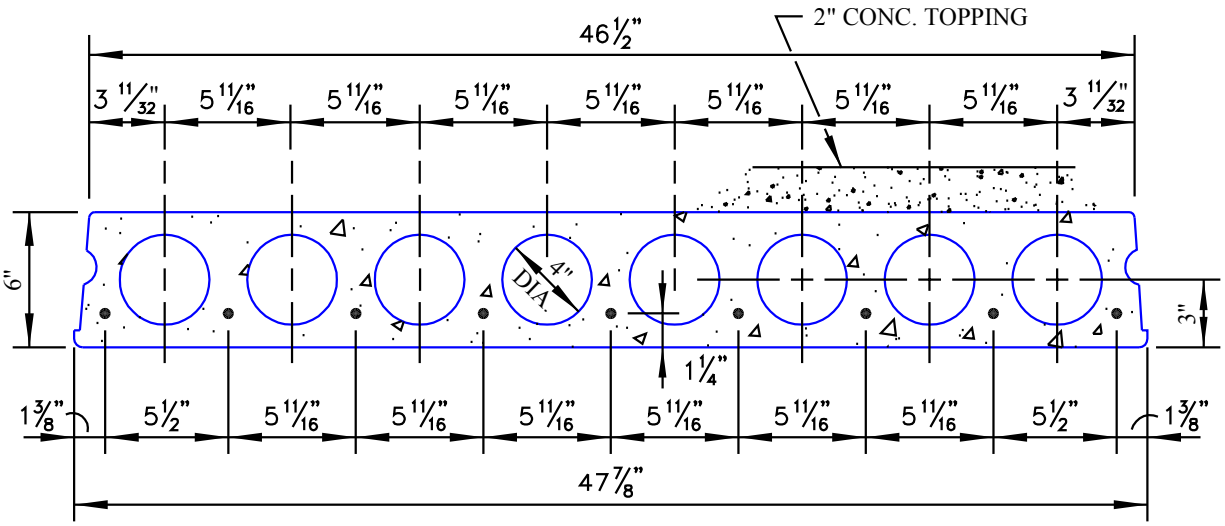
6" COREFLOOR

FIGURES INDICATE SUPERIMPOSED LOADS



SECTION PROPERTIES

NON-COMPOSITE		COMPOSITE	
A= 188 IN.^{2}	I= 764 IN.^{4}	A= 284 IN.^{2}	I= 1649 IN.^{4}
Y_B= 3.0 IN.	WT= 49 PSF	Y_B= 4.14 IN.	WT= 74 PSF
Y_t = 3.0 IN.		Y_t = 3.86 IN.	

	SPAN IN FEET												
STRAND	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'
6SC56	406	269	187	134	97	71	52						
6SC57		368	260	189	141	107	81	62	47				
6SC67			313	230	173	133	103	80	62	48			
6SC58				255	193	149	116	91	71	56	44		
6SC68					232	180	142	113 *	90 *	72 *	58 *	46 *	
6SC78					269	210	167	134 *	108 *	87 *	71 *	58 *	46 *
6ST56			260	185	133	97	69						
6ST57				263	195	146	110	83					
6ST67					239	182	140	107	76				
6ST58						205	159	122	89	62			
6ST68						249	195	152*	115*	85*	61*		
6ST78							229	181*	140*	106*	80*	58*	
	SUPERIMPOSED LOAD CAPACITY IN POUNDS PER SQUARE FOOT												

* IMMEDIATE & LONG TERM DEFLECTION MAY LIMIT APPLICATION

f'ci= 3500 PSI — CONCRETE TOPPING= 4000 PSI

f'c= 6500 PSI — SC- UNTOPPED SECTION

STRAND= 270 KSI L.R. — ST- 2" COMPOSITE TOPPING