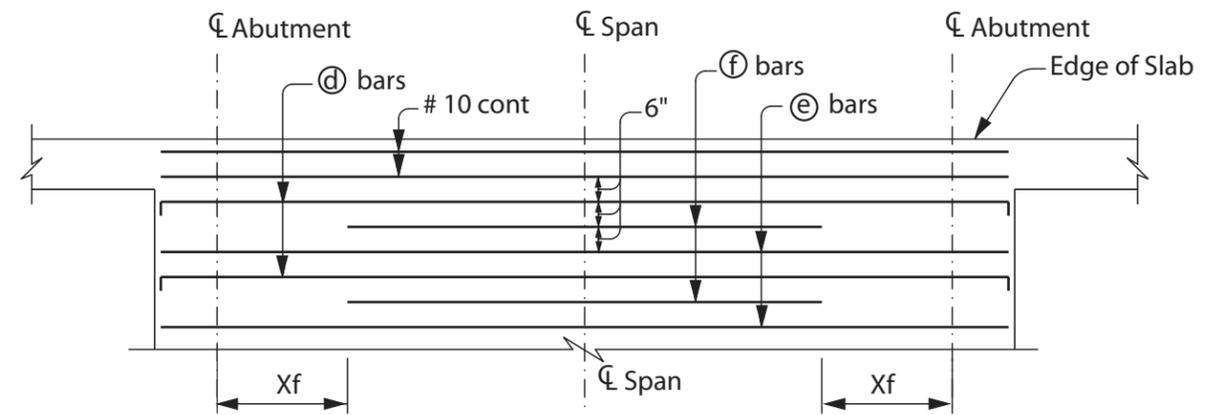


REINFORCEMENT - TOP OF SLAB



REINFORCEMENT - BOTTOM OF SLAB

L=Length of Span			16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'	44'		
REINFORCEMENT	Top of Slab ⁽¹⁾	(a) bars	Size	#4	#4	#4	#4	#4	#4	#5	#5	#5	#5	#5	#5	#5	#5		
		(a) bars	Spacing	15"	15"	15"	12"	12"	12"	15"	15"	15"	15"	15"	12"	12"	12"	12"	
	Bottom of Slab	(d) bars	Size	#8	#8	#8	#8	#8	#8	#8	#9	#9	#9	#9	#9	#9	#10	#10	
		(d) bars	Length	← Continuous with a standard hook at each end →															
		(e) bars	Size	#7	#7	#8	#8	#8	#8	#8	#8	#9	#9	#9	#9	#9	#10	#10	#10
		(e) bars	Length	← Continuous without hooks →															
		(f) bars	Size	#7	#7	#7	#7	#8	#8	#8	#8	#8	#9	#9	#9	#9	#9	#9	#9
		(f) bars	Length	12.0'	13.0'	15.0'	16.0'	17.0'	19.0'	20.0'	21.0'	23.0'	24.0'	25.0'	27.0'	28.0'	30.0'	31.0'	
		(f) bars	Xf	2.0'	2.5'	2.5'	3.0'	3.5'	3.5'	4.0'	4.5'	4.5'	5.0'	5.5'	5.5'	6.0'	6.0'	6.5'	
	Distribution Steel spacing			11"	11"	11"	11"	11"	11"	11"	11"	11"	10"	10"	10"	10"	10"	10"	
T=Thickness of Slab ⁽²⁾			12½"	13½"	14½"	15½"	16½"	17½"	18½"	19½"	20½"	21½"	22"	23"	24½"	26½"	28"		
Approximate quantities per foot of width	Concrete (ft ³)		18.2	21.9	26.0	30.4	35.1	40.1	45.5	51.2	57.2	63.6	68.8	75.7	84.7	96.1	106.2		
	Steel (lbs)		114	126	149	168	191	204	244	275	293	325	368	405	450	473	493		
Camber at Mid-Span			.02'	.02'	.03'	.04'	.04'	.05'	.06'	.07'	.09'	.10'	.12'	.13'	.14'	.14'	.15'		

Notes:

- (1) For transverse reinforcement in the top of slab use the same bar size and spacing as the (a) bars.
- (2) Add ½" for corrosion protection and adjust concrete quantity.
- (3) Live Loading: HL93 and P15 design load.

SLAB DETAILS - SINGLE SPAN