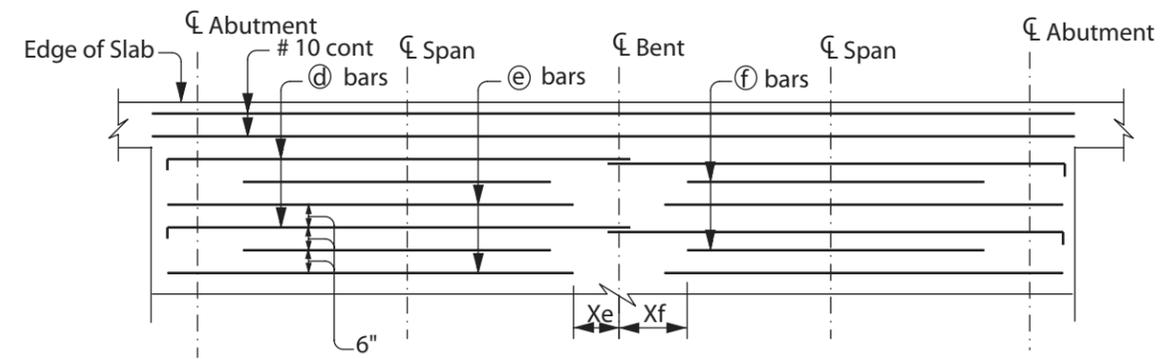


REINFORCEMENT - TOP OF SLAB



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 bars	Ⓐ Size	#7	#7	#7	#7	#8	#8	#8	#9	#9	#9	#10	#10	#10	#10	#10	
		Length(l)	34.0'	38.0'	42.0'	46.0'	50.0'	54.0'	58.0'	74.0'	78.0'	82.0'	94.0'	98.0'	102'	106'		
		Ⓑ Size	#7	#7	#7	#7	#7	#8	#8	#8	#9	#9	#9	#10	#10	#10	#10	#10
	Top of Slab bars	Length	12.0'	13.0'	15.0'	16.0'	17.0'	18.0'	19.0'	15.0'	16.0'	17.0'	18.0'	19.0'	20.0'	20.0'	21.0'	
		Xb	6.0'	6.5'	7.5'	8.0'	8.5'	9.0'	9.5'	7.5'	8.0'	8.5'	9.0'	9.5'	10.0'	10.0'	10.5'	
		Ⓒ Size	#7	#7	#7	#7	#7	#7	#8	#8	#8	#9	#9	#9	#9	#10	#10	#10
	Bottom of Slab bars	Length	6.0'	6.0'	6.0'	7.0'	7.0'	8.0'	8.0'	9.0'	11.0'	11.0'	11.0'	11.0'	12.0'	12.0'	14.0'	
		Xc	3.0'	3.0'	3.0'	3.5'	3.5'	4.0'	4.0'	4.5'	5.5'	5.5'	5.5'	5.5'	6.0'	6.0'	7.0'	
		Ⓓ Size	#7	#7	#7	#8	#8	#8	#8	#8	#8	#9	#9	#9	#9	#9	#9	#9
	Bottom of Slab bars	Length(l)	36.0'	40.0'	44.0'	48.0'	52.0'	56.0'	60.0'	68.0'	72.0'	78.0'	82.0'	86.0'	90.0'	94.0'	98.0'	
		Ⓔ Size	#7	#7	#7	#7	#7	#8	#8	#8	#8	#8	#8	#9	#9	#9	#9	#9
		Length	16.5'	18.0'	20.0'	19.5'	21.0'	23.0'	24.5'	26.0'	27.5'	29.5'	31.0'	32.5'	34.5'	36.0'	37.5'	
Bottom of Slab bars	Xe	0.5'	1.0'	1.0'	3.5'	4.0'	4.0'	4.5'	5.0'	5.5'	5.5'	6.0'	6.5'	6.5'	7.0'	7.5'		
	Ⓕ Size	#7	#7	#7	#7	#7	#7	#7	#8	#8	#8	#8	#8	#8	#9	#9	#9	
	Length	12.0'	13.0'	14.5'	15.5'	17.0'	18.0'	19.0'	20.5'	22.0'	23.0'	24.5'	26.0'	27.5'	28.5'	30.0'		
Distribution Steel	Xf	3.5'	4.5'	5.0'	5.5'	6.0'	6.5'	7.0'	8.0'	8.5'	9.0'	9.5'	10.0'	10.5'	11.0'	11.5'		
	Size	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	
Top of Slab Transverse Reinforcement	Spacing	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	
	Size	#4	#4	#4	#4	#4	#4	#4	#4	#4	#5	#5	#5	#5	#5	#5	#5	
T= Thickness of Slab(2)		10 1/2"	11 1/2"	1"	1"	1"	14 1/2"	15 1/2"	1"	1"	1"	18 1/2"	19 1/2"	1"	1"	1"	1"	
Approximate quantities per foot of width	Concrete (ft³)	14.7	18.0	20.8	24.6	28.9	32.3	37.1	41.0	46.4	52.1	56.7	63.0	67.9	74.8			
	Steel (lbs)	125	138	152	176	205	235	253	306	331	373	425	472	496	534	560		
Camber at Mid-Span		.01'	.01'	.02'	.02'	.03'	.03'	.04'	.05'	.05'	.06'	.07'	.08'	.09'	.10'	.10'		

SLAB DETAILS - TWO SPANS

Notes:

- (1) - r spans longer than 28ft bar length Includes allowance for one splice in top bars and two splices in the bottom bars
- (2) Add 1/2" for corrosion protection and adjust concrete quantity.
- (3) Live Loading: HL93 and P15 design load.