

Cálculo de Refuerzo												
Peralte				Acero Por Temperatura								
φ =	Varilla No.	3	0.953	As temp =				1.98				
d=	8.02375			S =				35.9877471	S =	35.9877471	cm	
Acero mínimo				Smax =				55	#3@ 0.36m			
Asmin =				1.98								
Separación Máxima del Refuerzo												
Smax =		33	Smax =	33	Separación		Varilla No.	3	cm2	cm	100	
		45							0.71255739			
Acero Requerido												
Losa	Signo	M(kg m)	As (cm2)	Asmin(cm2)	Ascolocar (cm2)	S (cm)	Smax	Scolocar (m)	Armado	Armado de Campo		
I	-	222.5	1.10854274	1.98	1.980	35.99	33	33.00	#3@ 0.33	#3@ 0.1		
	+	667.5	3.40306964		3.403	20.94		20.94	#3@ 0.21	#3@ 0.1		
I y II	-	1307.29	6.91089166		6.911	10.31		10.31	#3@ 0.1	#3@ 0.1		
II	+	1046.102	5.44619668		5.446	13.08		13.08	#3@ 0.13	#3@ 0.1		
II y IV	-	1161.35	6.08659388		6.087	11.71		11.71	#3@ 0.12	#3@ 0.1		
IV	+	257.14	1.28335159		1.980	35.99		33.00	#3@ 0.33	#3@ 0.1		
III	-	61.76	0.30526961		1.980	35.99		33.00	#3@ 0.33	#3@ 0.1		
	+	185.27	0.92134435		1.980	35.99		33.00	#3@ 0.33	#3@ 0.1		
I	-	246.74	1.23080403		1.980	35.99		33.00	#3@ 0.33	#3@ 0.1		
	+	740.23	3.78869116		3.789	18.81		18.81	#3@ 0.19	#3@ 0.1		
I y III	-	979.54	5.08040356		5.080	14.03		14.03	#3@ 0.14	#3@ 0.1		
III	+	451.98	2.27829222		2.278	31.28		31.28	#3@ 0.31	#3@ 0.1		
	-	150.66	0.74794558		1.980	35.99		33.00	#3@ 0.33	#3@ 0.1		
II	-	200	0.99532531		1.980	35.99		33.00	#3@ 0.33	#3@ 0.1		
	+	600	3.0479544		3.048	23.38		23.38	#3@ 0.23	#3@ 0.1		