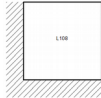
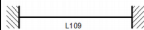

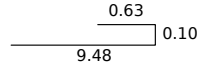
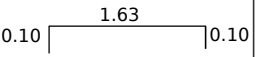
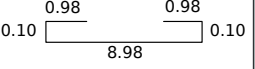
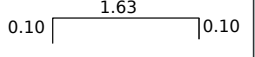
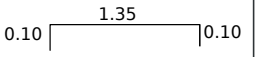
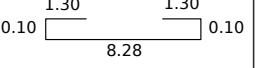
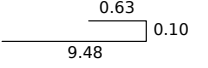
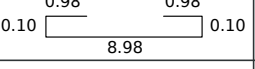
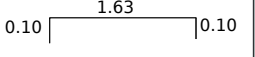
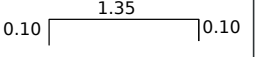
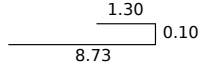
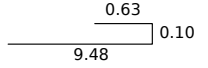
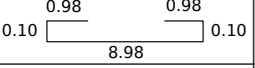
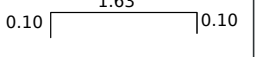
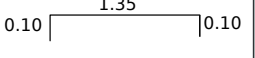
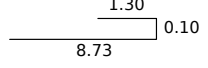


LOSAS  
Hormigón

H-25

OBRA: Edificio – Grupo 3  
Acero ADN 42/50

POSICIÓN	LUCES		RELACIÓN lx / ly - ly / lx	TIPO DE APOYO	CARGAS q <sub>u</sub>	REACCIONES				d mín.	MOMENTOS TRAMO		h (cm)	ARMADURA TRAMO						MOMENTOS APOYOS	ARMADURA APOYOS							
	lx	ly				R <sub>uxl</sub>	R <sub>uxd</sub>	R <sub>uyi</sub>	R <sub>uyd</sub>		M <sub>ux</sub>	M <sub>uy</sub>		A <sub>sx</sub>	φ	Sep.	A <sub>sy</sub>	φ	Sep.		As neces.	LEV. TRAMO			ADICIONAL			
	(m)																					(tn/m²)	(tn)				(cm)	(tm/m)
108	3,9	5,2	0,75		1,27					10,8	0,93	0,61	14	2,25	8	12	2,25	8	20	-1,62 / -1,21	5,03 / 4,19					4,24 / 3,60	8	10 / 12
109	2,5	5,2	0,48		1,43					10,8	0,37	-	14	2,25	8	12	2,25	8	20	-1,14	4,19					3,6	8	12
110	2,5	5,2	0,48		1,98					10,8	1,27	-	14	3,6	8	12	2,25	8	20	-1,14	4,19					3,6	8	12

Elemento	Posición	Forma	f (mm)	Cantidad	Longitud (m)	Total (m)							ADN 42/50 (kg)
						6	8	10	12	16	20	25	
L108	P7		8	18	10,201		183,6						73,45
L108	P8		8	21	1,825		38,3						15,33
L108	P9		8	28	11,146		312,1						124,84
L108	P10		8	45	1,825		82,1						32,85
L108	P11		8	34	1,55		52,7						21,08
L108	P20		8	21	11,0864		232,8						93,13
L109	P7		8	18	10,201		183,6						73,45
L109	P9		8	28	11,146		312,1						124,84
L109	P10		8	89	1,825		162,4						64,97
L109	P11		8	22	1,55		34,1						13,64
L109	P12		8	14	10,1264		141,8						56,71
L110	P7		8	18	10,201		183,6						73,45
L110	P9		8	28	11,146		312,1						124,84
L110	P10		8	45	1,825		82,1						32,85
L110	P11		8	22	1,55		34,1						13,64
L110	P12		8	14	10,1264		141,8						56,71
												TOTAL =	995,75
												TOTAL + 10% =	1095,32