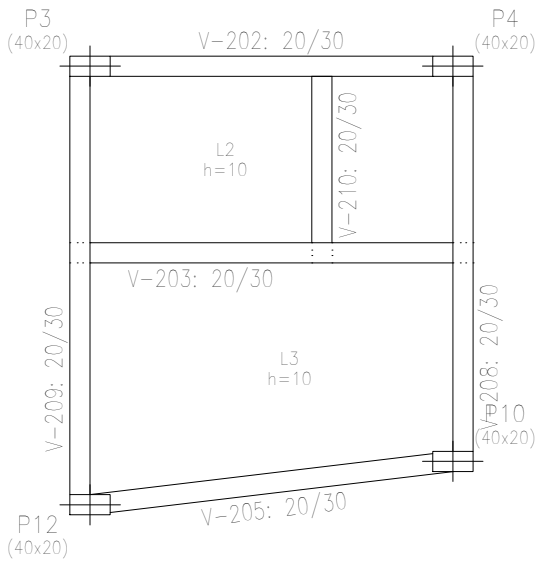
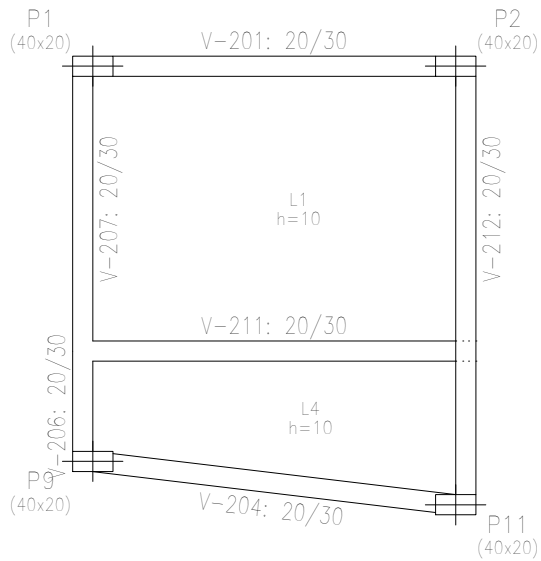


Piso 2
Armadura longitudinal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:30

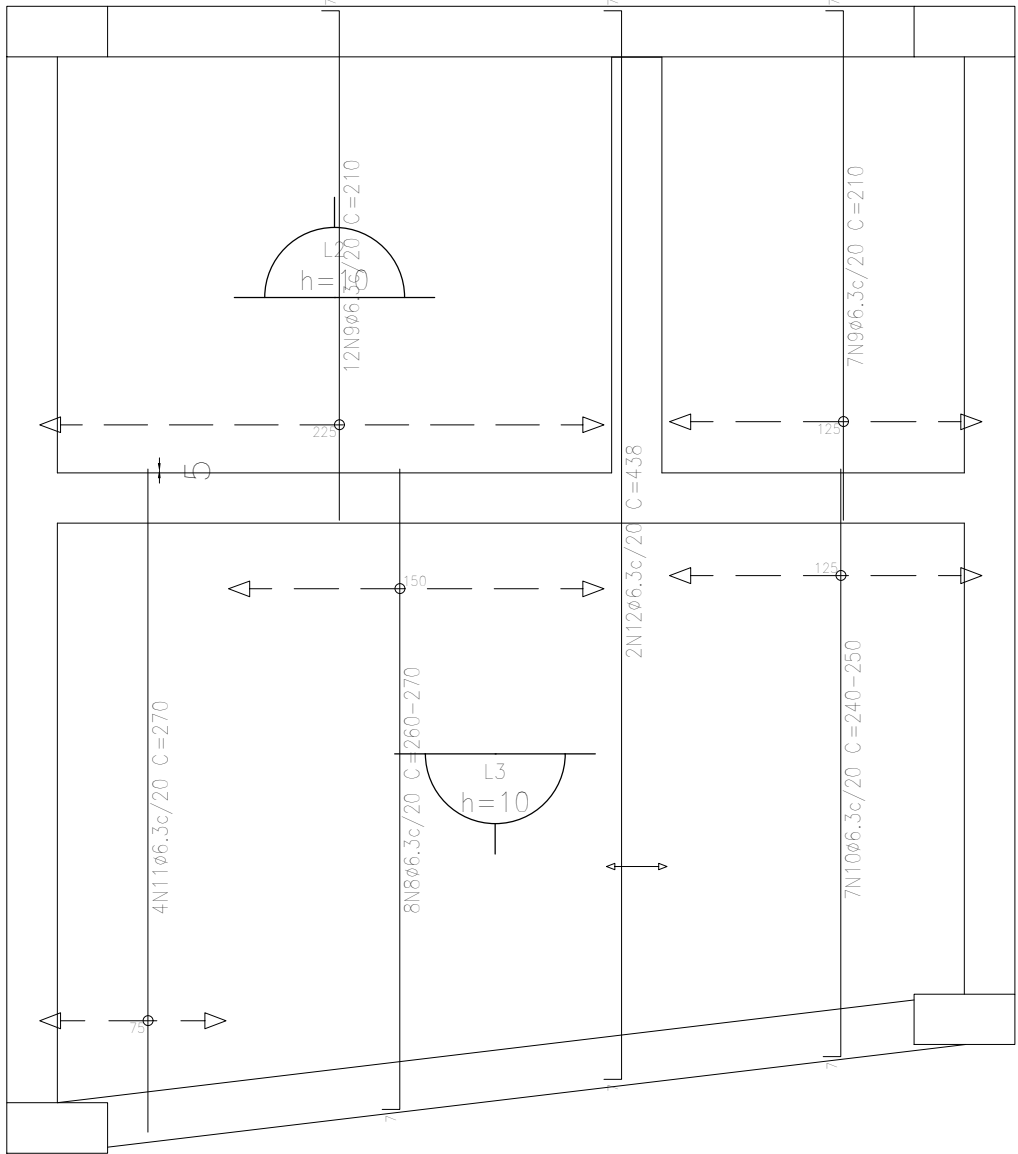
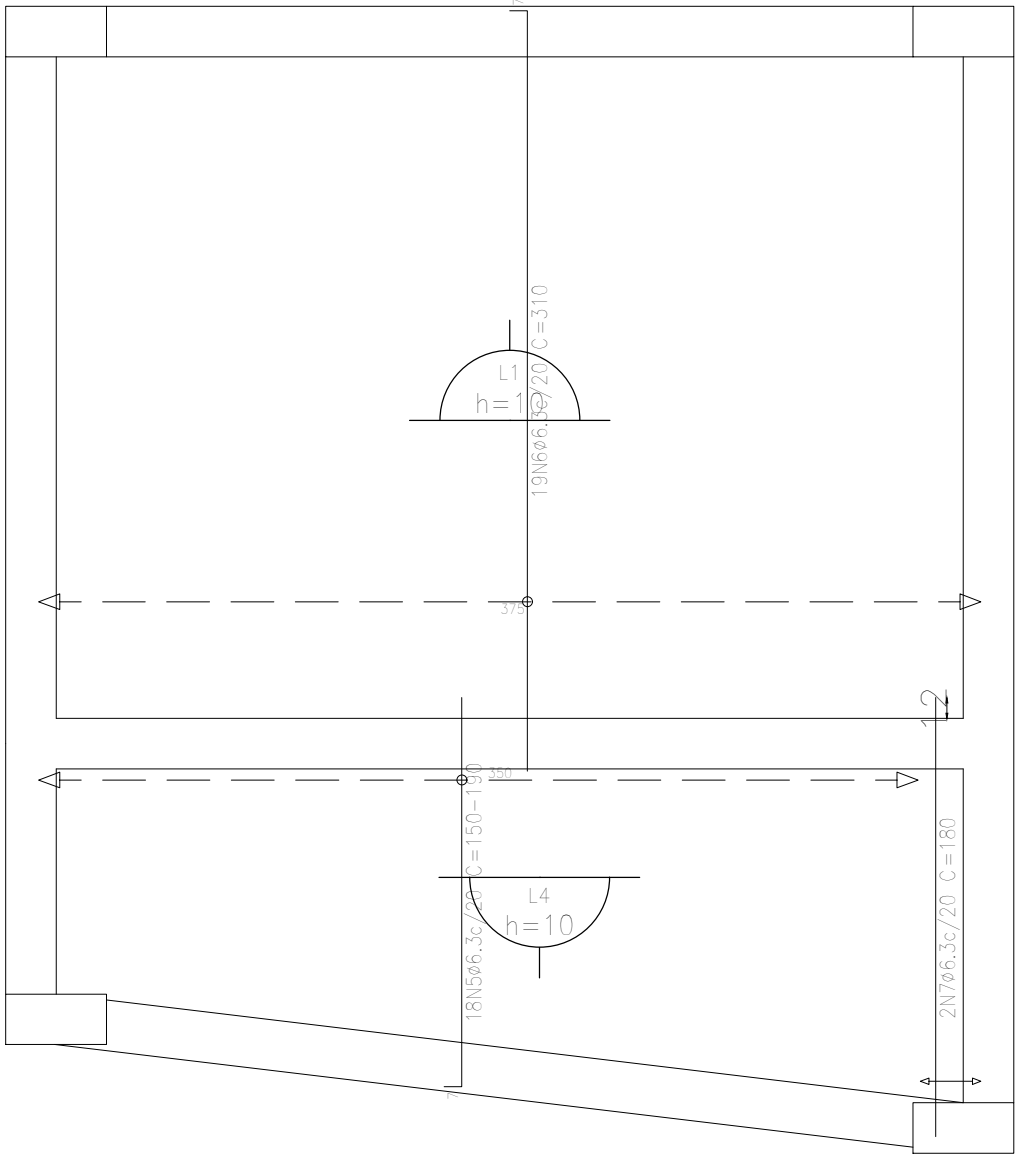
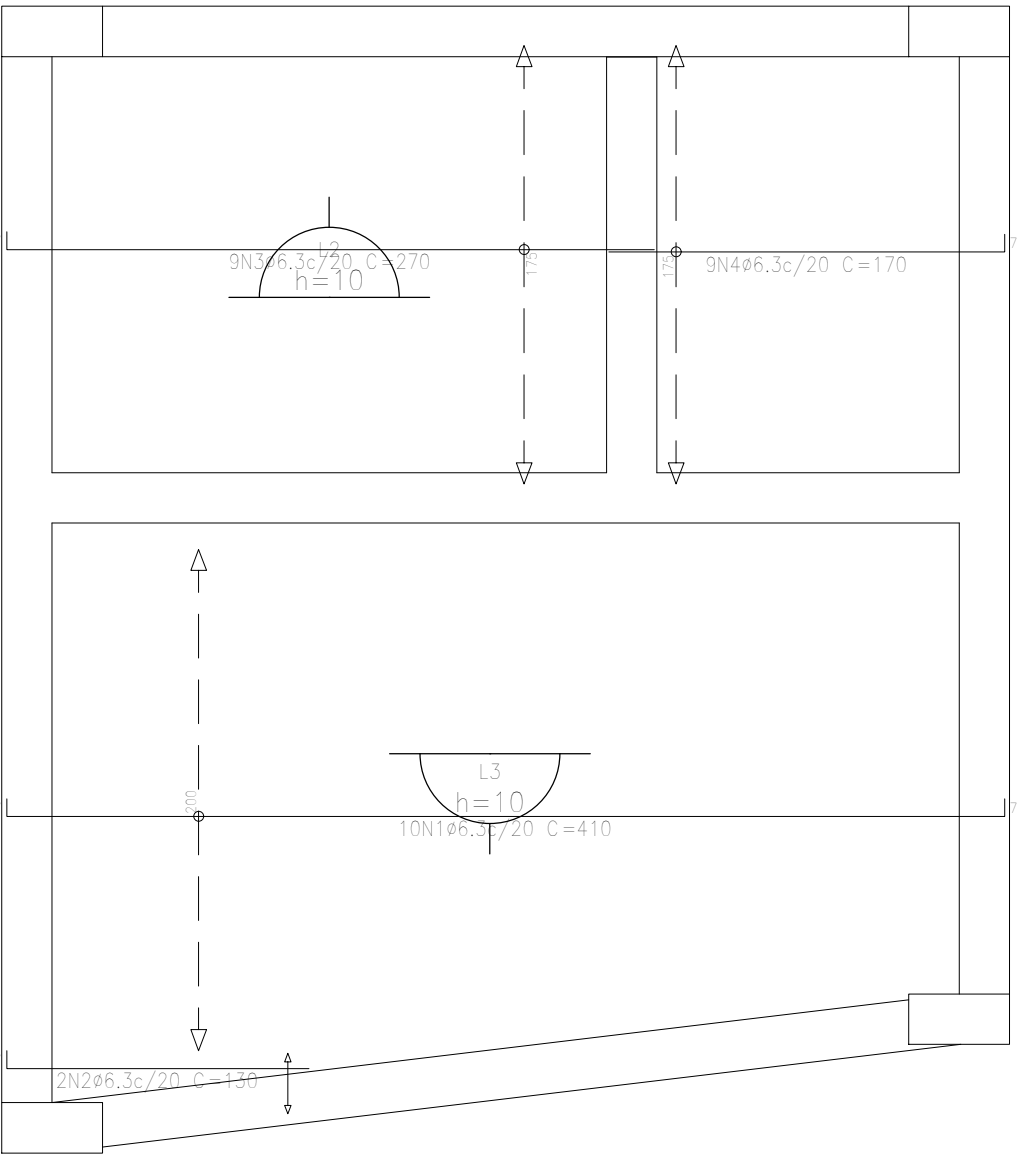
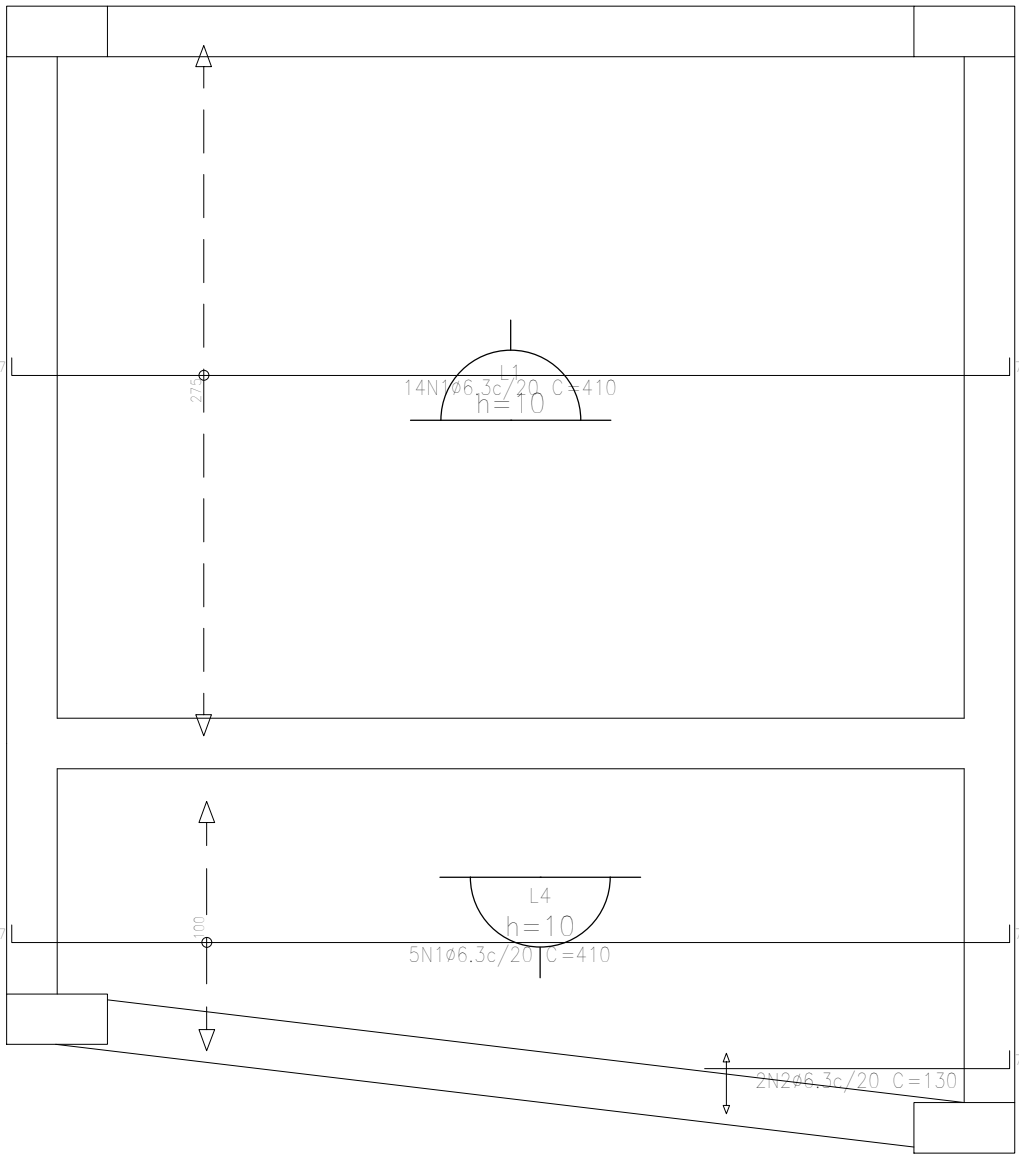
Piso 2
Armadura transversal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:30

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reto (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal inferior	1	ø6.3	23	7	396	7	410	11890	20.1	
	2	ø6.3	4	7	123		130	520	1.3	
	3	ø6.3	9	7	263		270	2430	6.0	
	4	ø6.3	9	7	163		170	1530	3.7	
Total+10%									44.1	
Armadura transversal inferior	5	ø6.3	18	7	VAR.	VAR.	3024	7.4		
	6	ø6.3	19	7	303		310	5890	14.4	
	7	ø6.3	2		180		180	360	0.9	
	8	ø6.3	6	7	VAR.	VAR.	2120	5.2		
	9	ø6.3	19	7	203		210	3990	9.8	
	10	ø6.3	7	7	VAR.	VAR.	1708	4.2		
	11	ø6.3	4		270		270	1080	2.6	
	12	ø6.3	2	7	424	7	438	876	2.1	
	Total+10%									51.3
									ø6.3:	95.4
									Total:	95.4



Piso 2				
Elemento	Armadura superficial (m2)	Volume (m3)	Barra (kg)	
Lajes maciças	-	26.56	2.660	143
Vigas	17.88	7.49	2.520	171
Pilares	31.68	-	2.110	171
Total	-	34.05	7.290	485
Índices (por m2)	-	-	0.210	13.98
Superfície total:	34.99 m2			

Piso 2
Piso
Escala: 1:75



Portal Expo		Data:
		10/05/2024
Local:		Número de desenho:
Promotor:		
Portal do Parque de Exposições O. Reck		Escala:
Eduardo Rompanelli Tosetto Engenheiro Civil Número do CREA: 1220503037		Data: 10/05/2024