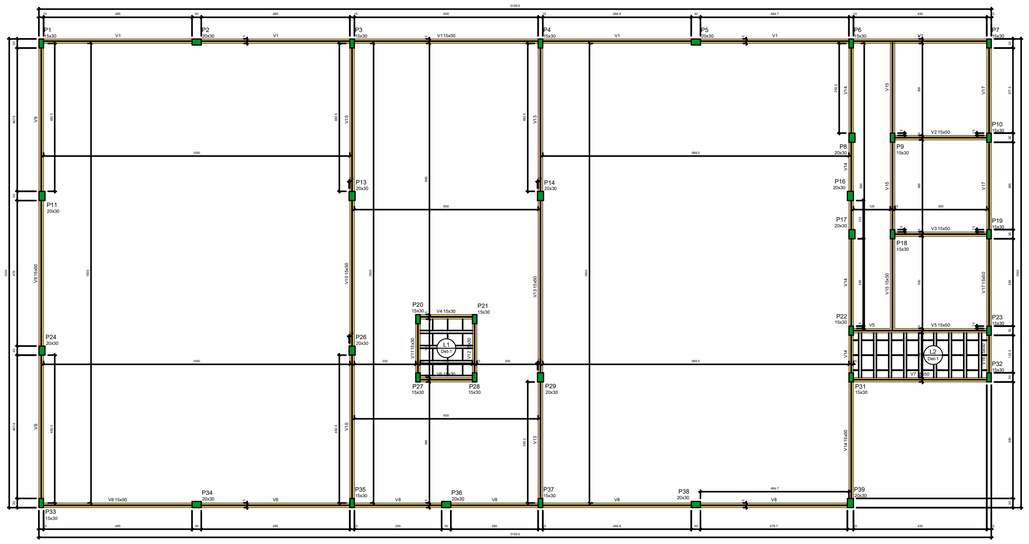


Forma do pavimento Cobertura

escala 1:100

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x50	0	650
V2	15x50	0	650
V3	15x50	0	650
V4	15x30	0	650
V5	15x50	0	650
V6	15x30	0	650
V7	15x50	0	650
V8	15x50	0	650
V9	15x50	0	650
V10	15x50	0	650
V11	15x30	0	650
V12	15x30	0	650
V13	15x50	0	650
V14	15x50	0	650
V15	15x50	0	650
V16	15x50	0	650
V17	15x50	0	650

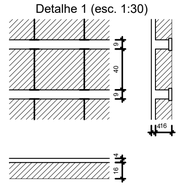
Lajes								
Dados						Sobrecarga (kgf/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada
L1	Treliçada 1D	20	0	650	176	154	300	-
L2	Treliçada 1D	20	0	650	176	154	300	-

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

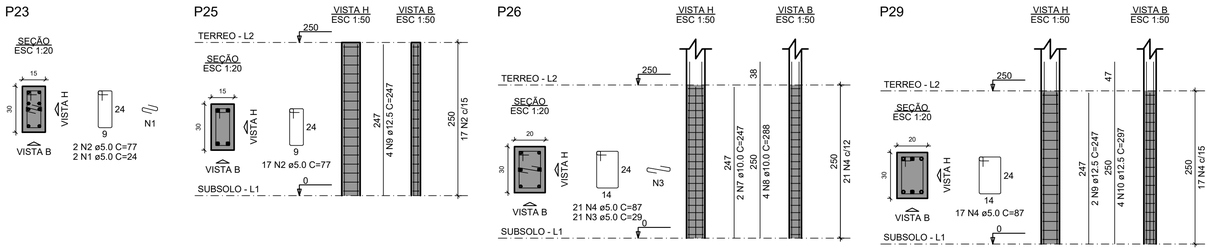
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	650
P2	20x30	0	650
P3	15x30	0	650
P4	15x30	0	650
P5	20x30	0	650
P6	15x30	0	650
P7	15x30	0	650
P8	20x30	0	650
P9	15x30	0	650
P10	15x30	0	650
P11	20x30	0	650
P13	20x30	0	650
P14	20x30	0	650
P16	20x30	0	650
P17	20x30	0	650
P18	15x30	0	650
P19	15x30	0	650
P20	15x30	0	650
P21	15x30	0	650
P22	15x30	0	650
P23	15x30	0	650
P24	20x30	0	650
P26	20x30	0	650
P27	15x30	0	650
P28	15x30	0	650
P29	20x30	0	650
P31	15x30	0	650
P32	15x30	0	650
P33	15x30	0	650
P34	20x30	0	650
P35	15x30	0	650
P36	20x30	0	650
P37	15x30	0	650
P38	20x30	0	650
P39	20x30	0	650

Detalhe 1 (esc. 1:30)



Legenda dos pilares
Pilar que morre

Legenda das vigas e paredes
Viga



RELAÇÃO DO AÇO

P23 P25 P26
P29 P30 P31
P32 P34 P37
P38 P39

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	24	48
	2	5.0	95	77	7315
	3	5.0	63	29	1827
	4	5.0	101	87	8787
CA50	5	10.0	10	75	750
	6	10.0	6	48	288
	7	10.0	16	247	3952
	8	10.0	24	288	6912
	9	12.5	6	247	1482
	10	12.5	4	297	1188
	11	16.0	8	310	2480

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	119	80.7
	12.5	26.7	28.3
	16.0	24.8	43.1
CA60	5.0	179.8	30.5
PESO TOTAL (kg)			
CA50	152.1		
CA60	30.5		

Volume de concreto (C-25) = 1.32 m³
Área de forma = 23.84 m²

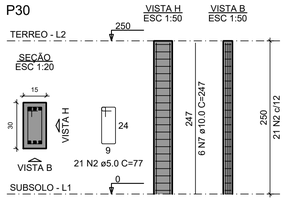
P23

P25

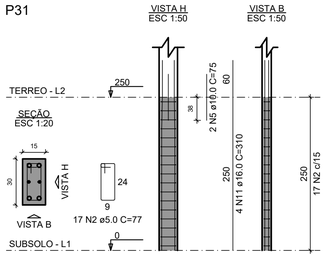
P26

P29

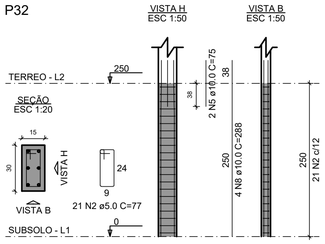
P30



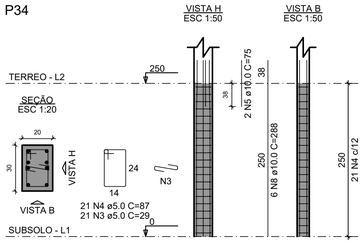
P31



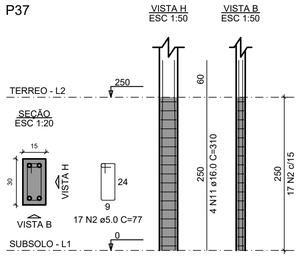
P32



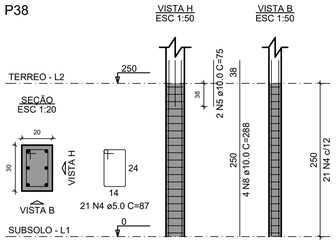
P34



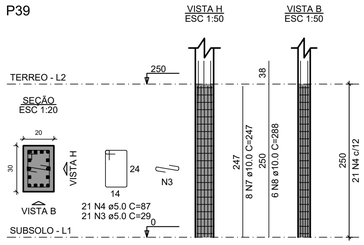
P37



P38



P39



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Estrutural - Formas e Pilares

CONSTRUÇÃO - COMERCIAL