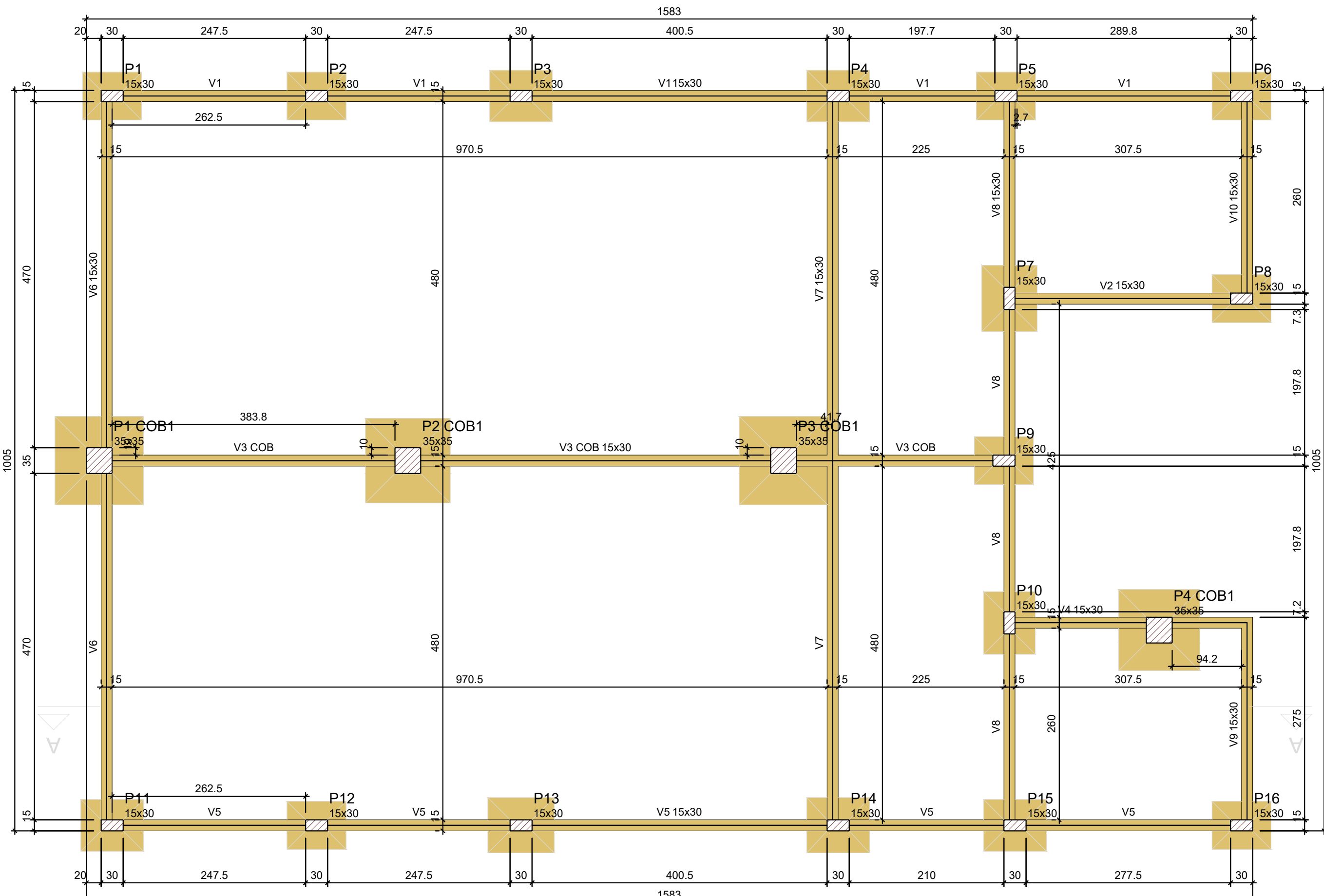
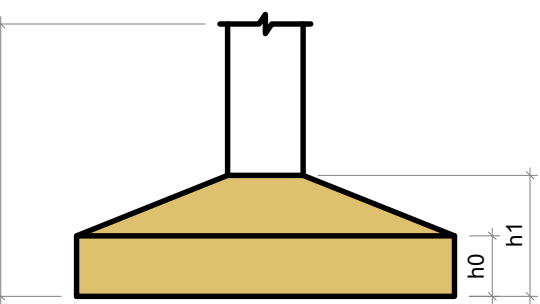


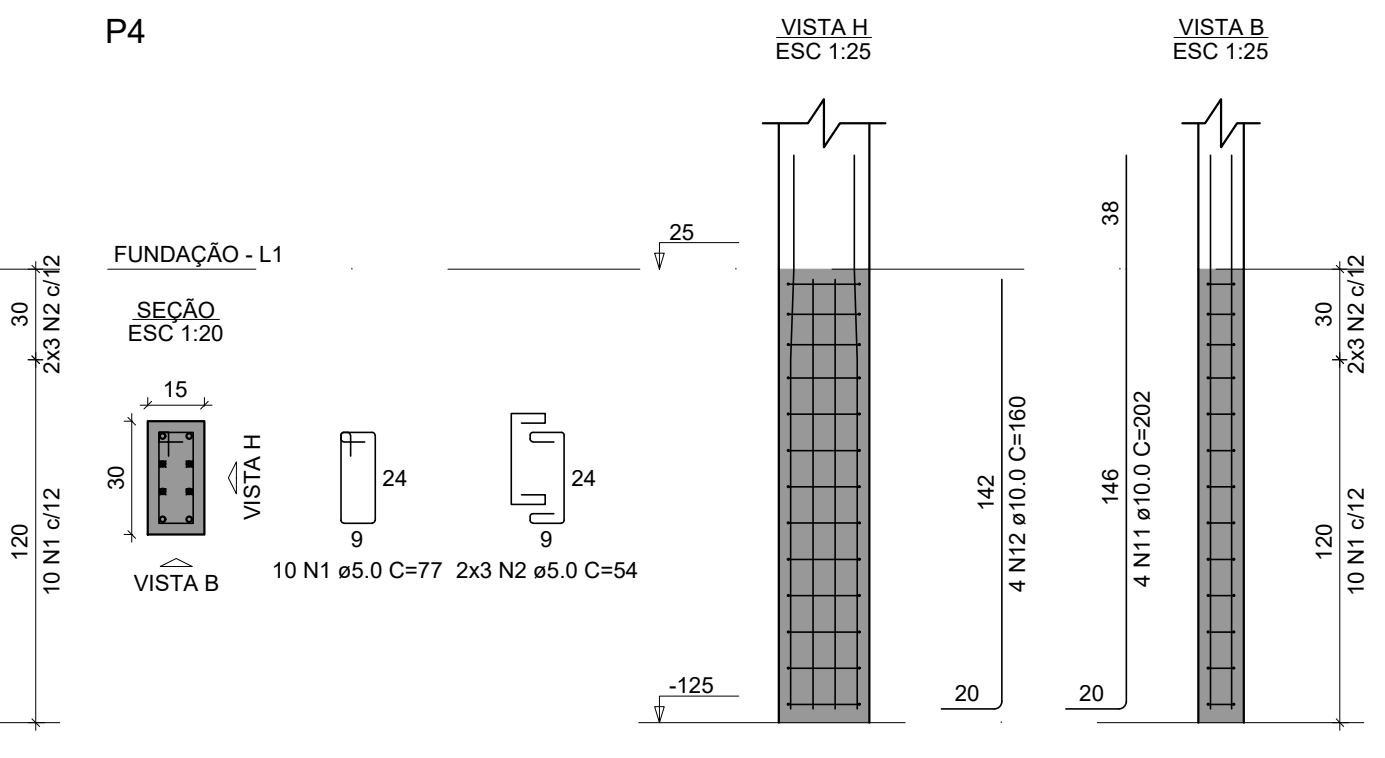
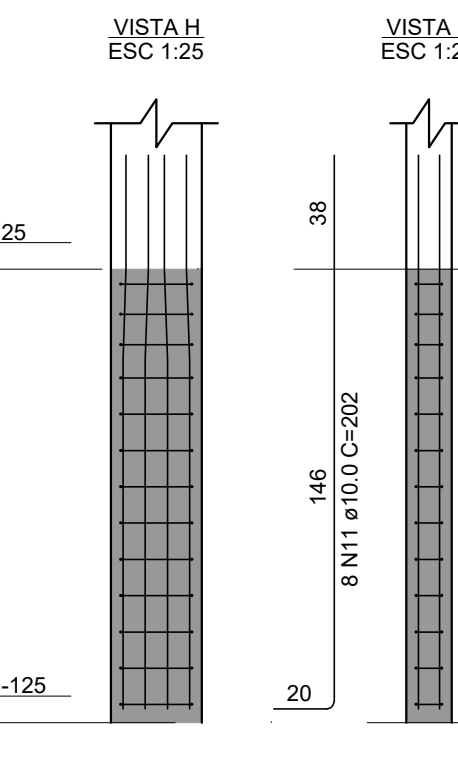
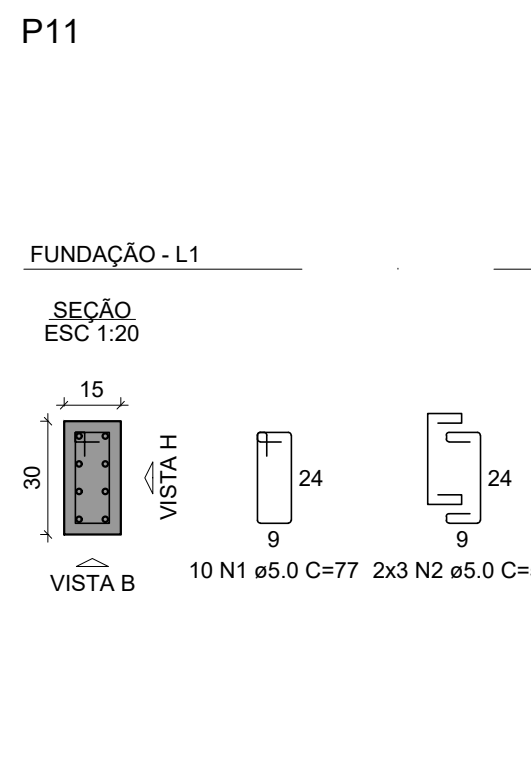
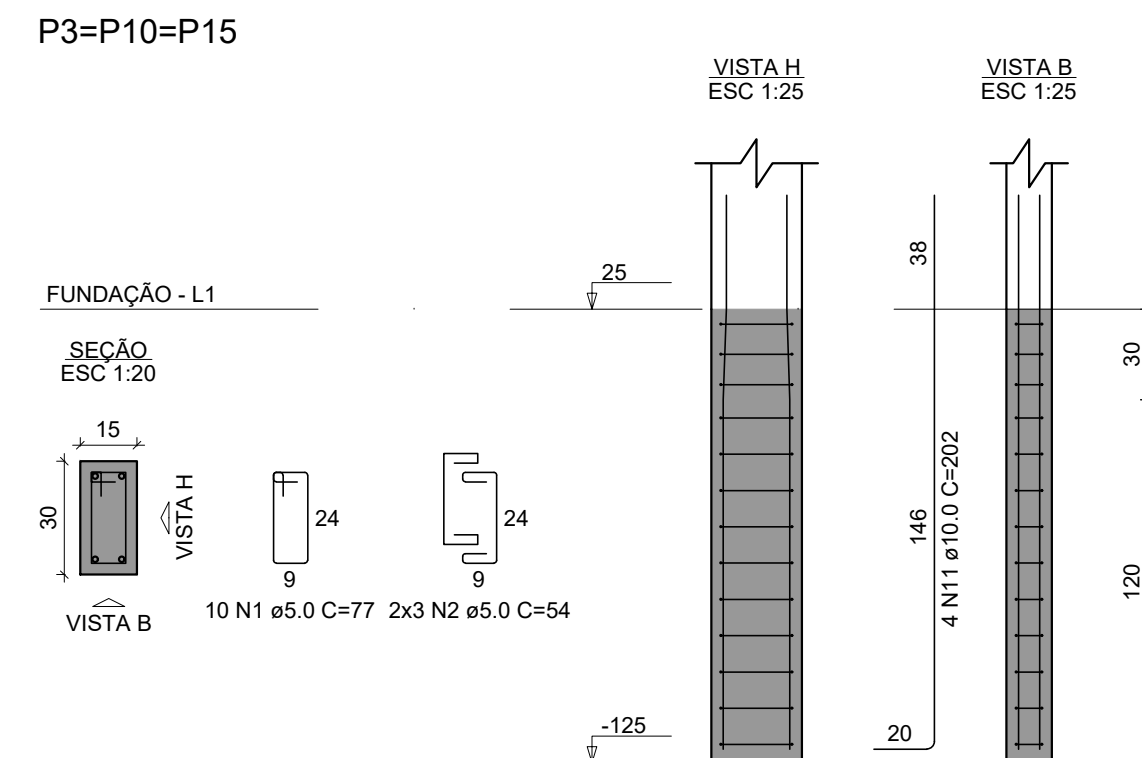
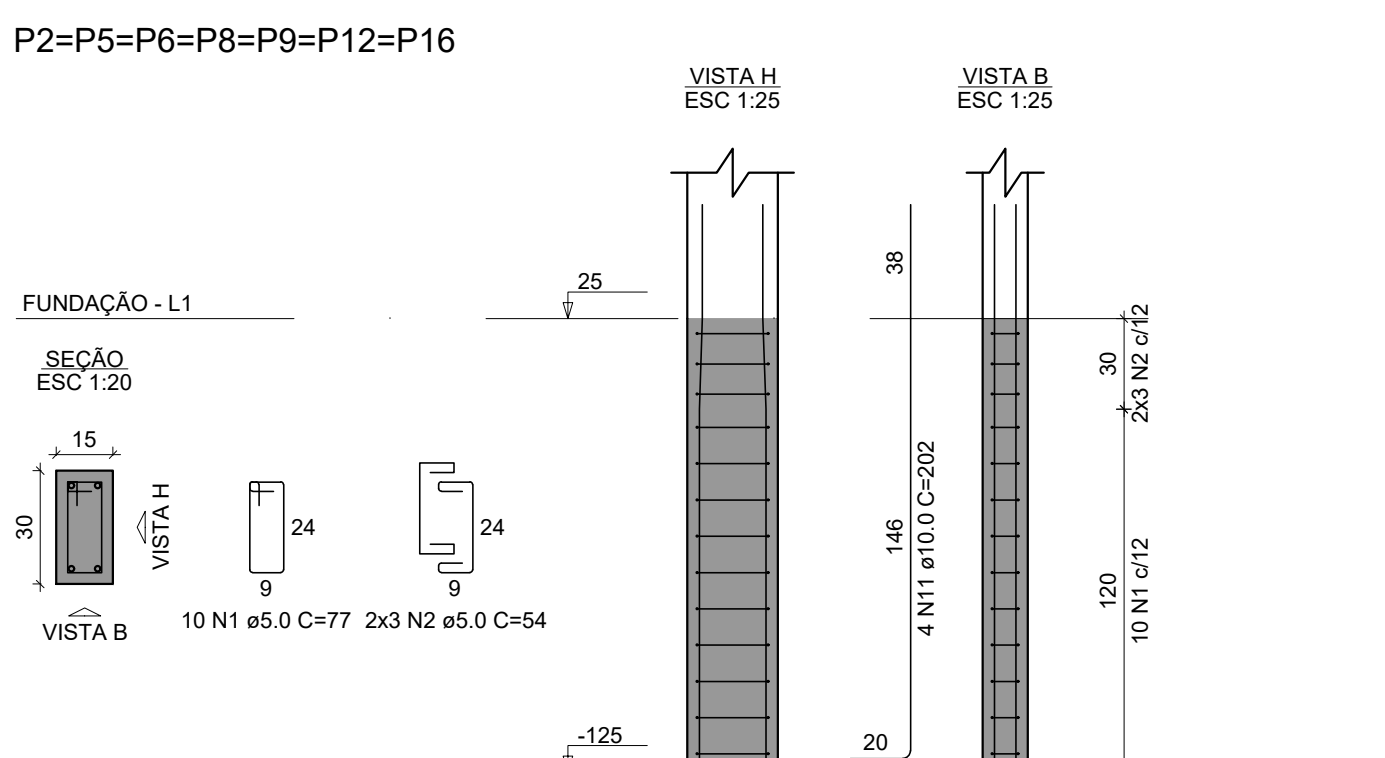
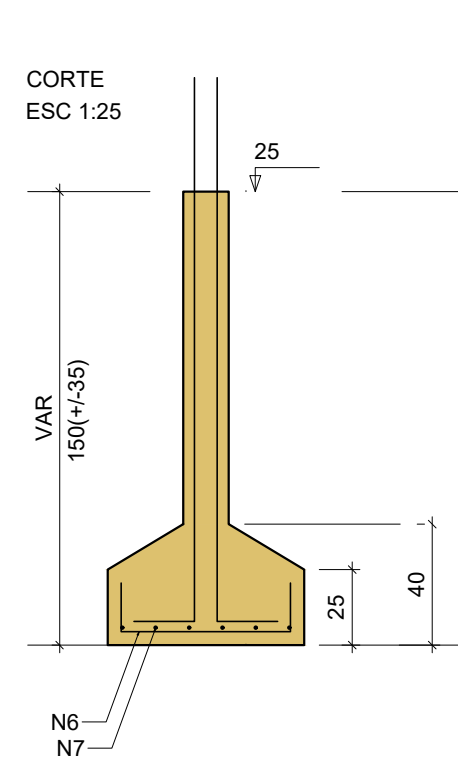
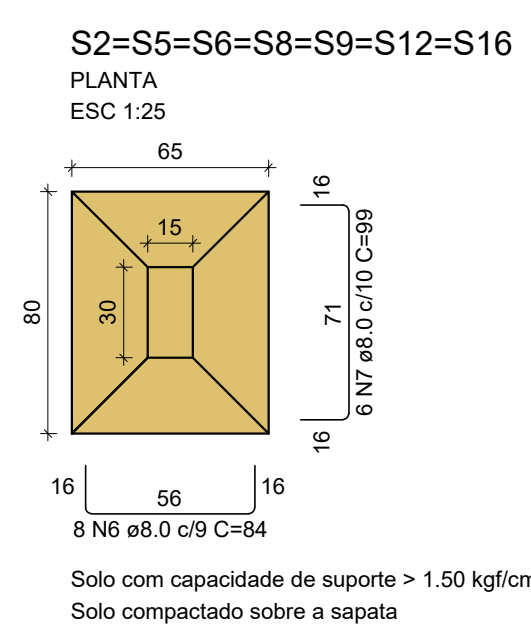
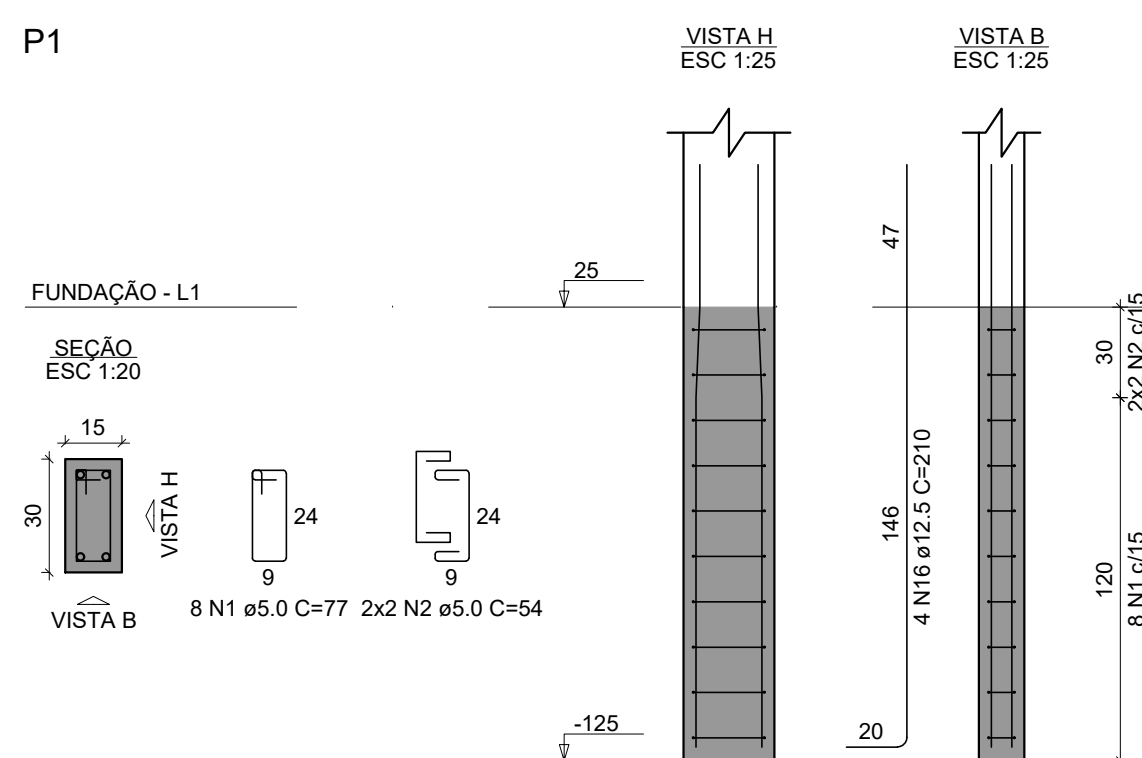
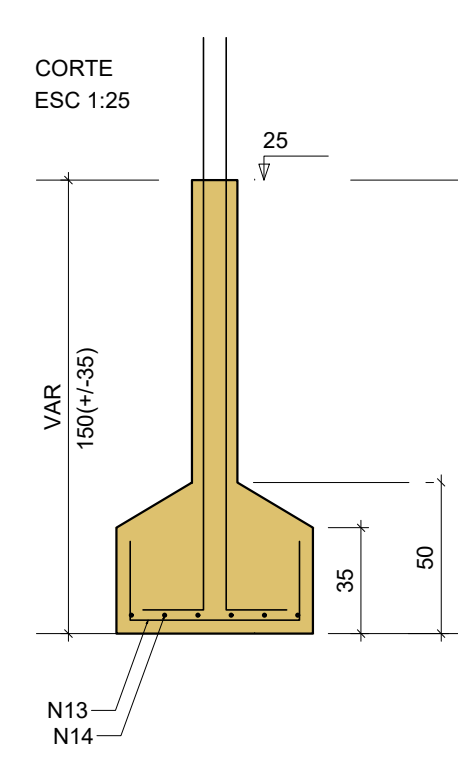
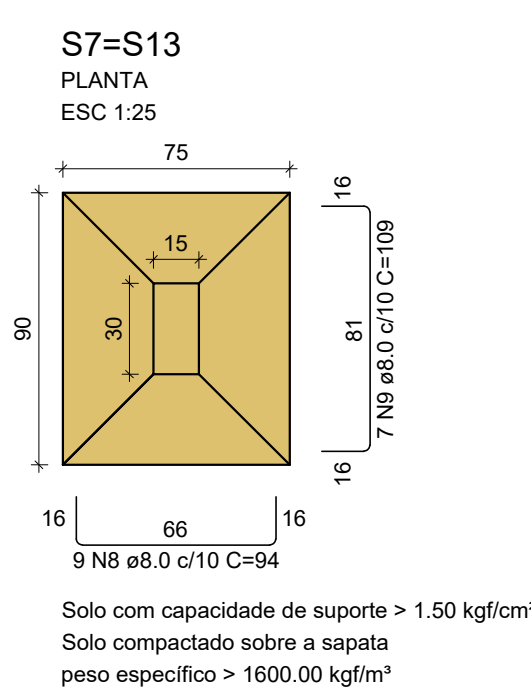
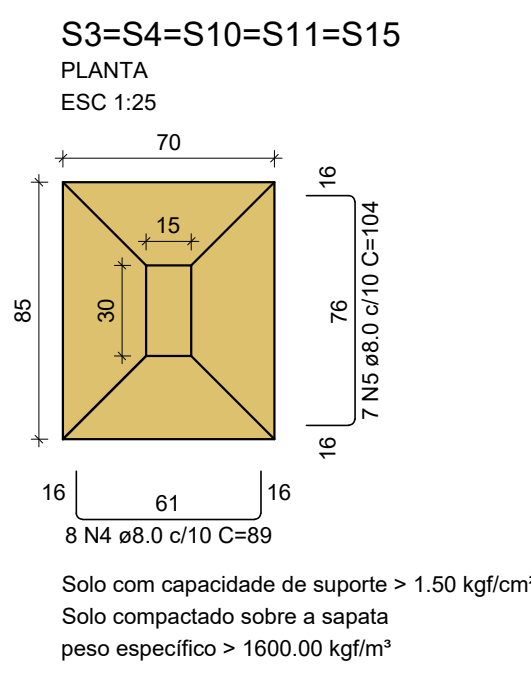
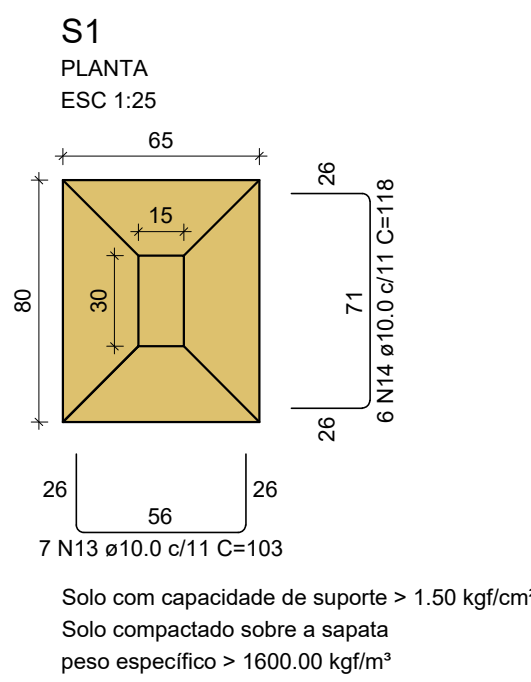
Planta de localização  
escala 1:50

Pilar										Fundação									
Nome	Seção	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx Máximo (kgf.m)		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)		Lado B (cm)	Lado H (cm)	h1 (cm)	h2 (cm)	df (cm)	Lado B (cm)
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo						
P1	15x30	-3695.54	5080.41	4.3	3.7	200	-300	200	-200	0.1	0.0	0.2	-0.2	65	80	25	40	150	150
P2	15x30	-3418.04	5080.41	4.6	4.5	100	-200	200	-100	0.1	-0.1	0.1	0.0	65	80	25	40	150	150
P3	15x30	-3140.54	5080.41	6.0	5.7	100	-200	200	-200	0.2	-0.2	0.1	0.0	75	85	25	40	150	150
P4	15x30	-2710.04	5080.41	5.8	5.4	100	-200	200	-200	0.2	-0.2	0.1	0.0	75	85	25	40	150	150
P5	15x30	-2482.37	5080.41	4.4	3.4	200	-300	200	-200	0.2	-0.2	0.2	-0.1	65	80	25	40	150	150
P6	15x30	-2162.54	5080.41	3.9	3.1	200	-300	200	-200	0.1	-0.2	0.2	-0.1	65	80	25	40	150	150
P7	15x30	-2477.54	4805.66	4.6	4.4	500	-600	100	0	0.1	0.0	0.4	-0.3	75	90	25	40	150	150
P8	15x30	-2162.54	4805.66	4.0	3.2	200	-100	200	0	0.2	0.0	0.2	-0.1	65	80	25	40	150	150
P9	15x30	-2485.04	4805.66	3.7	3.4	200	-200	200	-200	0.1	0.0	0.3	-0.2	65	80	25	40	150	150
P10	15x30	-2477.54	4355.13	3.8	3.3	500	-600	100	0	0.1	-0.2	0.4	-0.3	75	85	25	40	150	150
P11	15x30	-3695.54	4090.41	4.5	3.9	200	-100	200	-200	0.1	0.0	0.1	-0.3	65	80	25	40	150	150
P12	15x30	-3418.04	4090.41	5.0	4.9	100	-200	200	-200	0.2	-0.2	0.1	0.0	65	80	25	40	150	150
P13	15x30	-3140.54	4090.41	6.5	6.3	100	0	200	-200	0.2	0.0	0.0	0.0	75	85	25	40	150	150
P14	15x30	-2710.04	4090.41	6.3	5.9	200	-200	200	-200	0.2	-0.2	0.1	-0.2	75	80	35	50	150	150
P15	15x30	-2470.04	4090.41	4.7	3.8	200	-300	200	0	0.2	0.0	0.2	-0.3	75	85	25	40	150	150
P16	15x30	-2162.54	4090.41	4.0	3.5	200	-200	200	-200	0.1	0.0	0.1	-0.1	65	80	25	40	150	150
P17	35x35	-3713.04	4585.61	8.5	8.2	1600	-1500	300	-500	0.2	-0.1	0.7	-0.6	120	120	25	50	150	150
P18	35x35	-3294.24	4585.61	9.8	9.1	1100	-1100	400	-500	0.2	-0.3	0.3	-0.2	115	115	30	50	150	150
P19	35x35	-2784.24	4585.61	9.8	9.3	1100	-1300	300	-400	0.0	-0.6	0.3	-0.2	115	115	30	50	150	150
P20	35x35	-2274.24	4355.61	6.5	6.0	1300	-1200	300	-500	0.1	-0.4	0.3	-0.4	110	110	30	50	150	150

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definitivas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.



Forma do pavimento Fundação  
escala 1:50



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	CUNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	156	77	12012
CA50	2	5.0	52	54	4968
CA50	3	5.0	10	24	240
CA50	4	8.0	40	88	3520
CA50	5	8.0	50	104	3600
CA50	6	8.0	56	84	4704
CA50	7	8.0	42	66	4152
CA50	8	8.0	16	94	1504
CA50	9	8.0	14	116	1520
CA50	10	8.0	9	124	1116
CA50	11	10.0	60	42	2520
CA50	12	10.0	4	160	640
CA50	13	10.0	7	103	721
CA50	14	10.0	6	118	708
CA50	15	10.0	7	113	791
CA50	16	12.5	8	210	1680
CA50	17	12.5	2	159	318

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (cm)	PESO ± 0% (kg)
CA50	8.0	204	80.5
CA50	10.0	149.6	52.4
CA50	12.5	20	19.2
CA50	5.0	172.2	26.5
PESO TOTAL (kg)			192.1
CA50			26.5

Volume de concreto (C-25) = 3.80 m³  
Área de forma = 28.40 m²