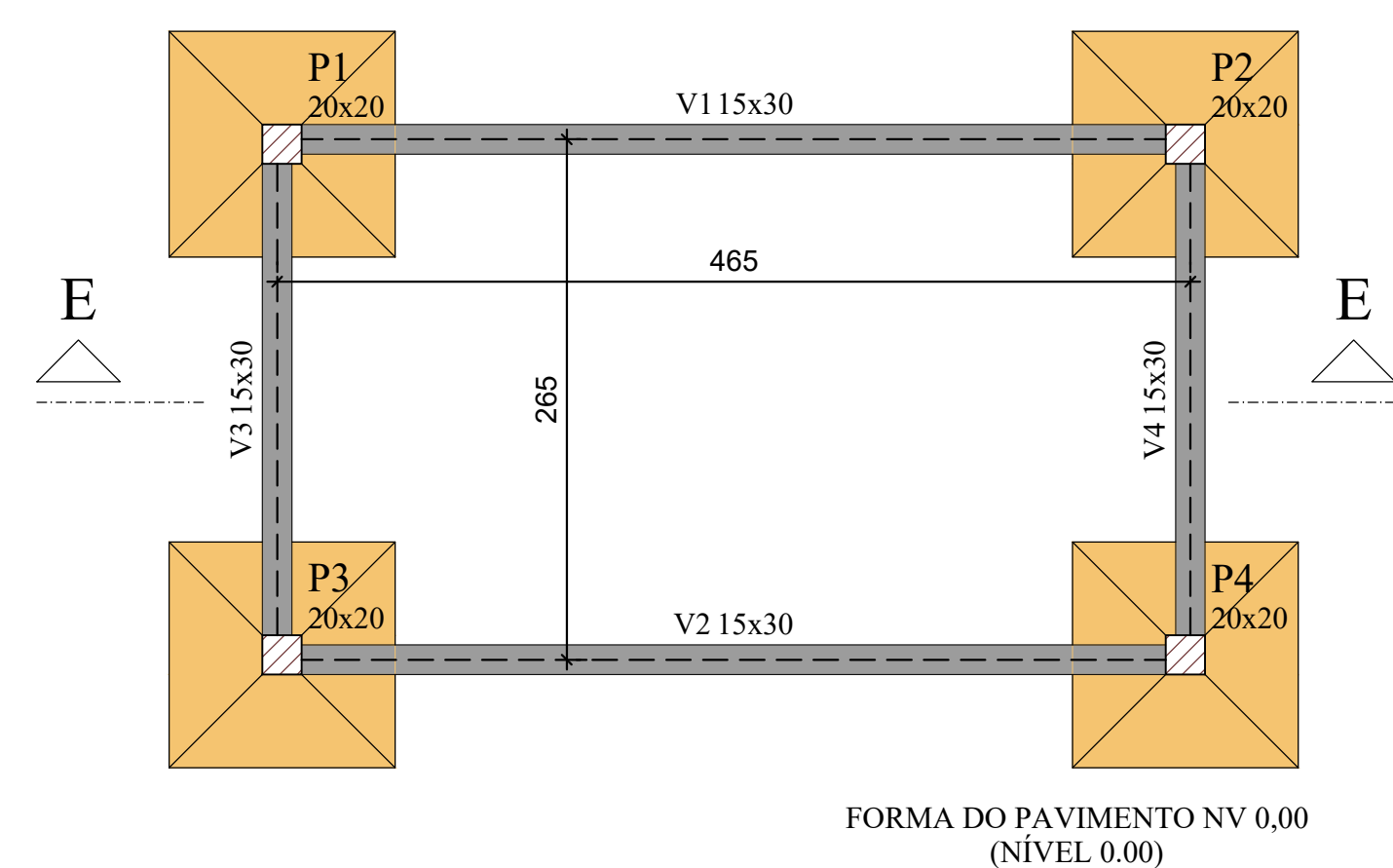
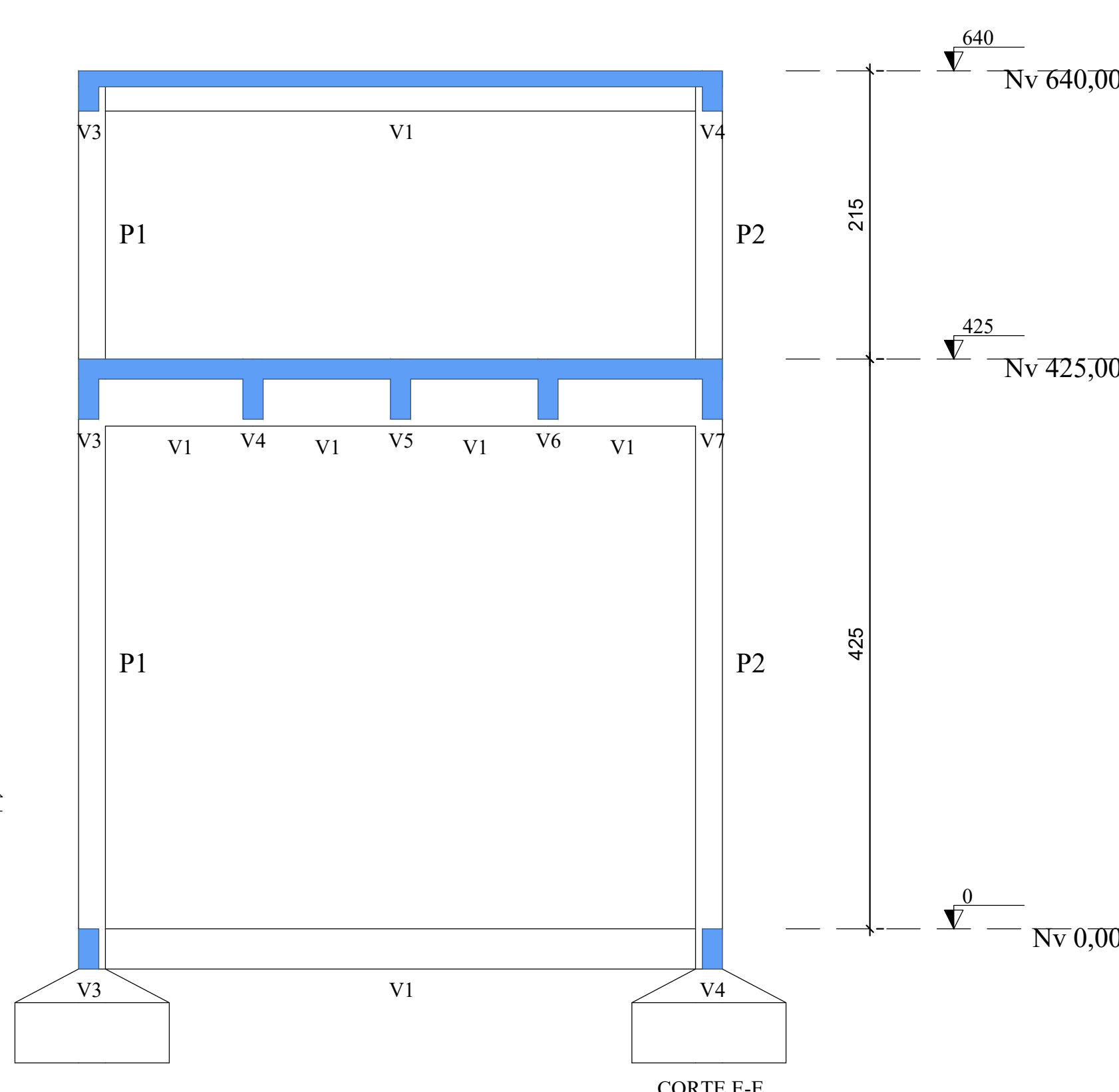
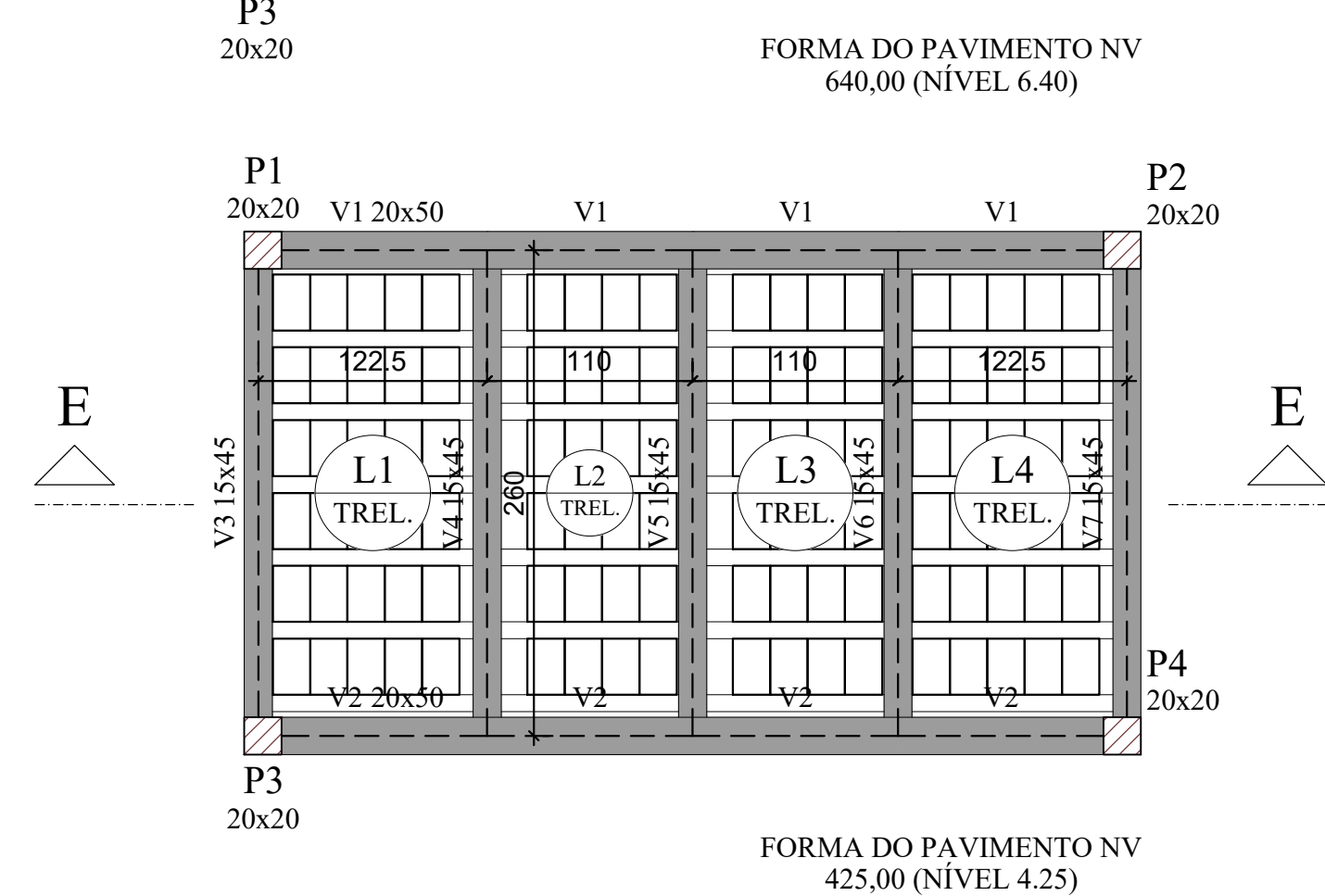
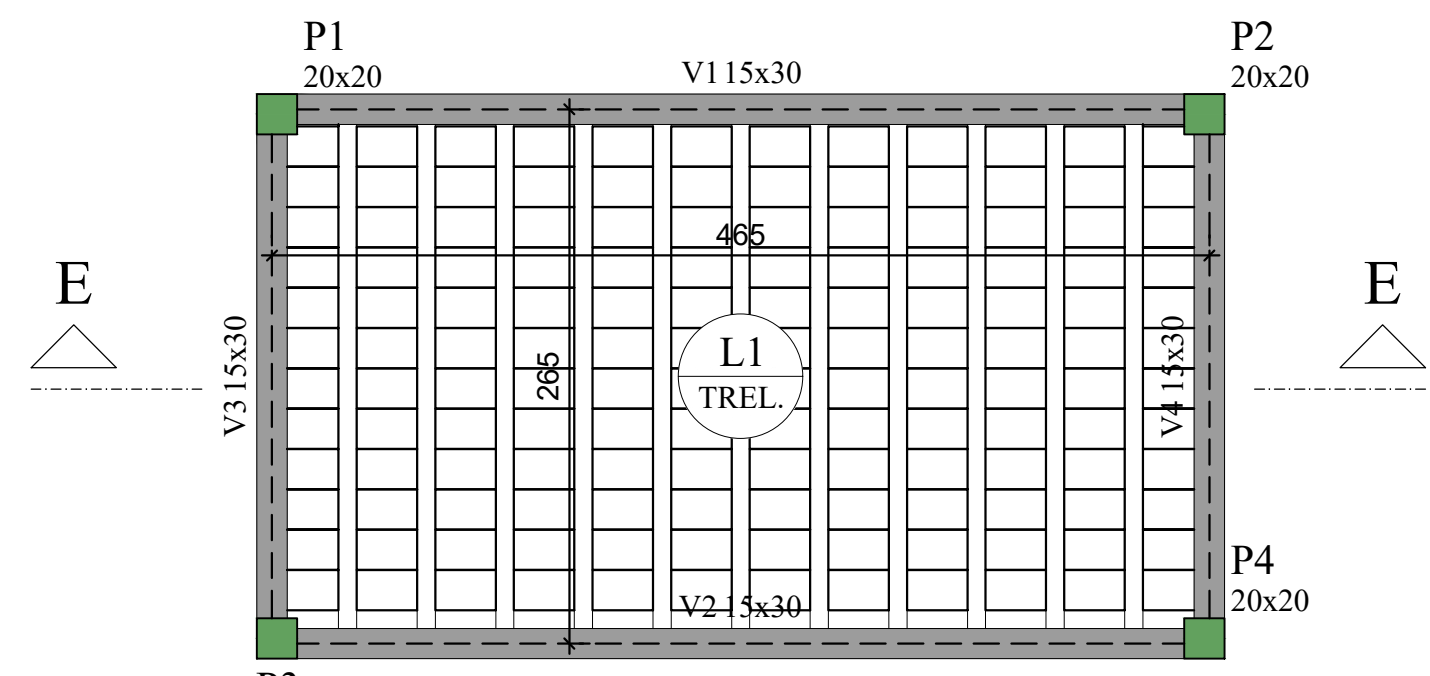
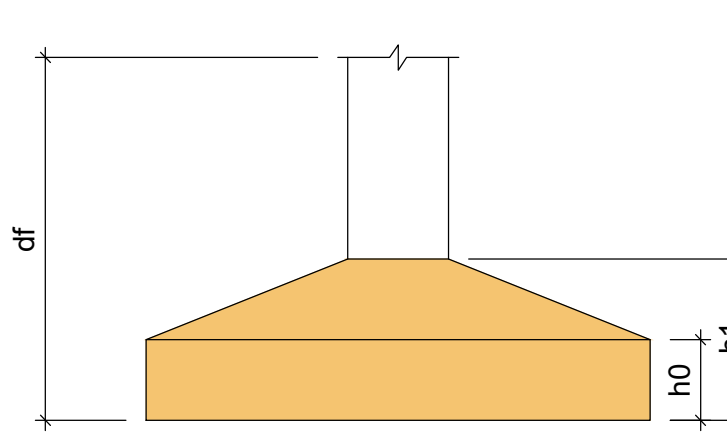




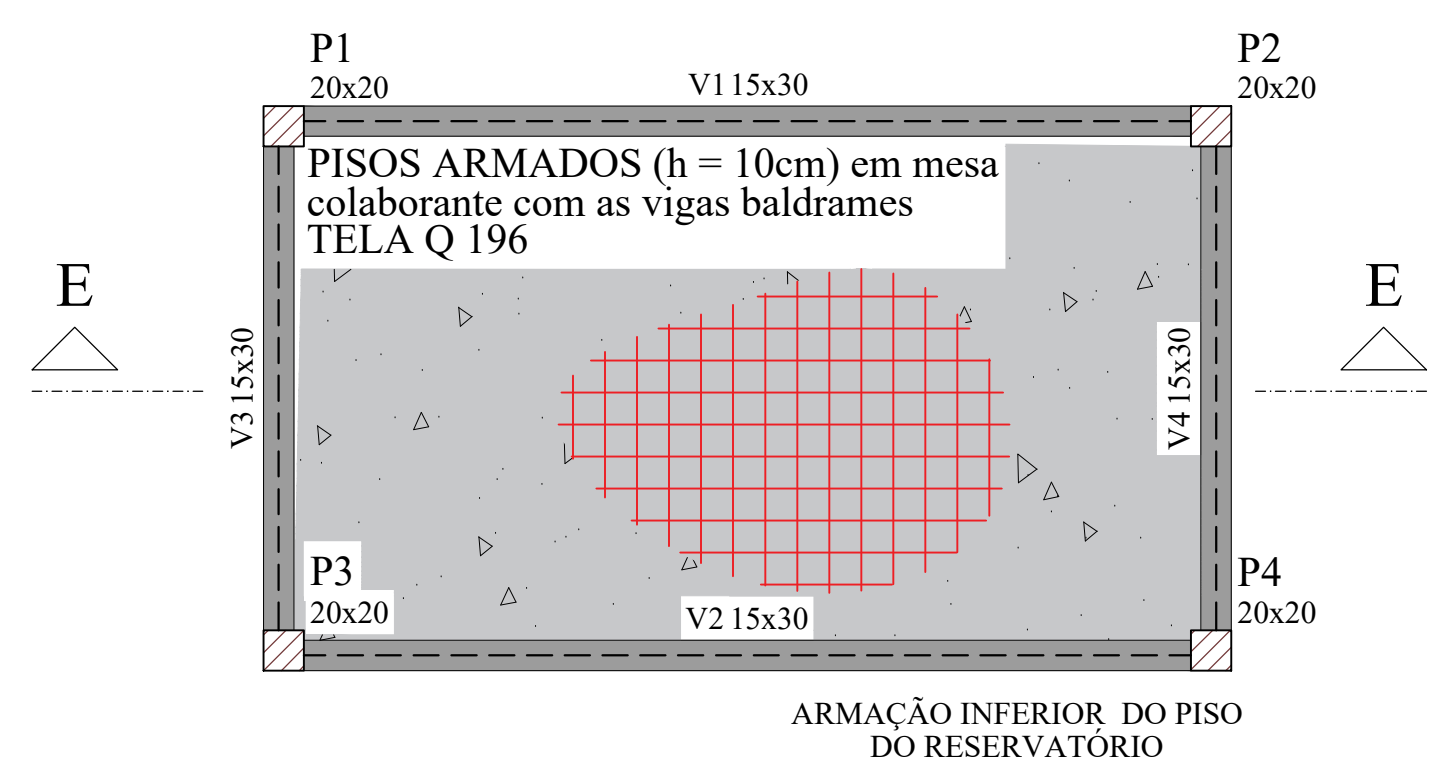
Características dos materiais		
fck (MPa)	Ecs (MPa)	fct (MPa)
30	26838	3

Dimensão máxima do agregado = 19 mm

Legenda dos pilares	
	Pilar que morre

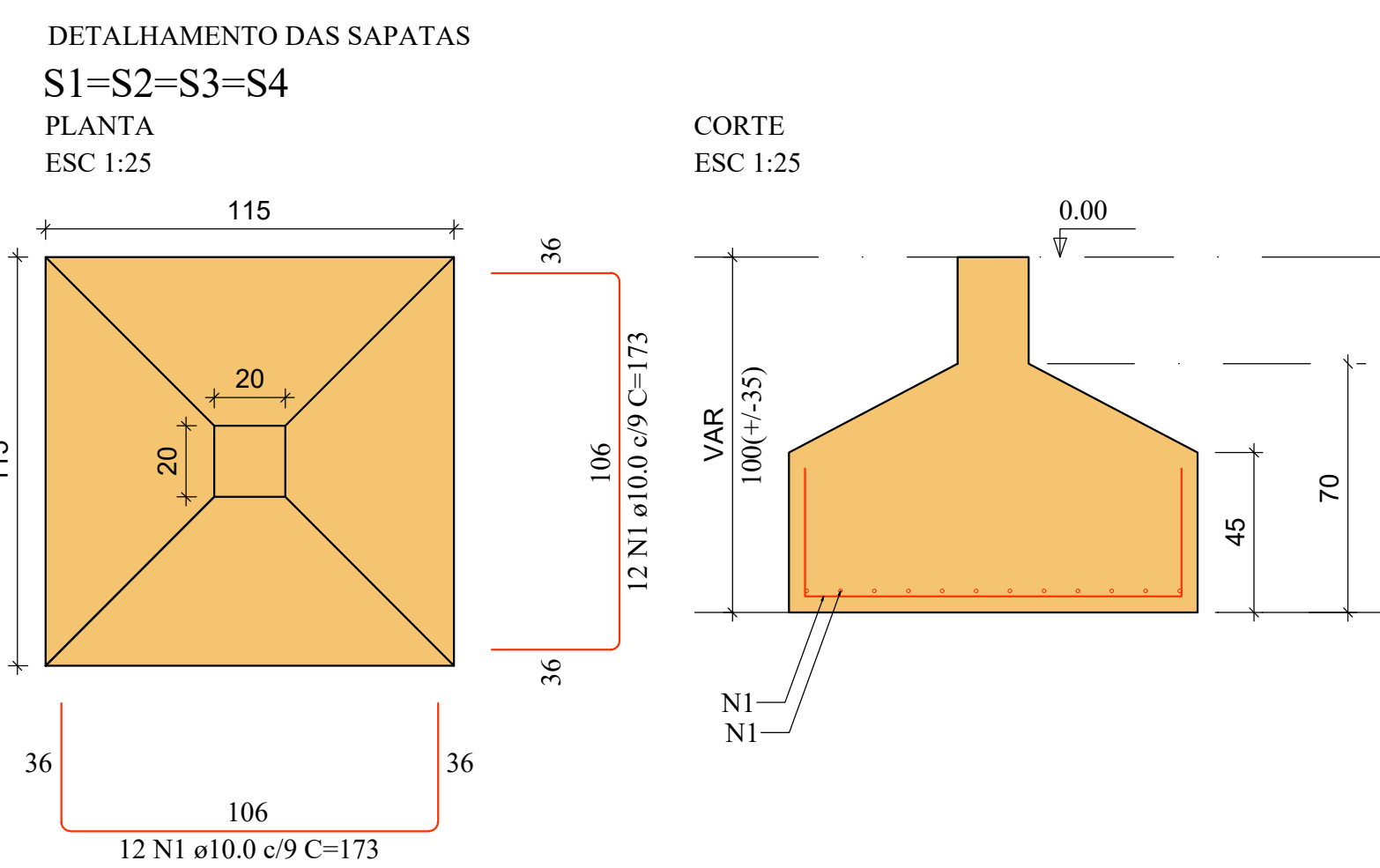
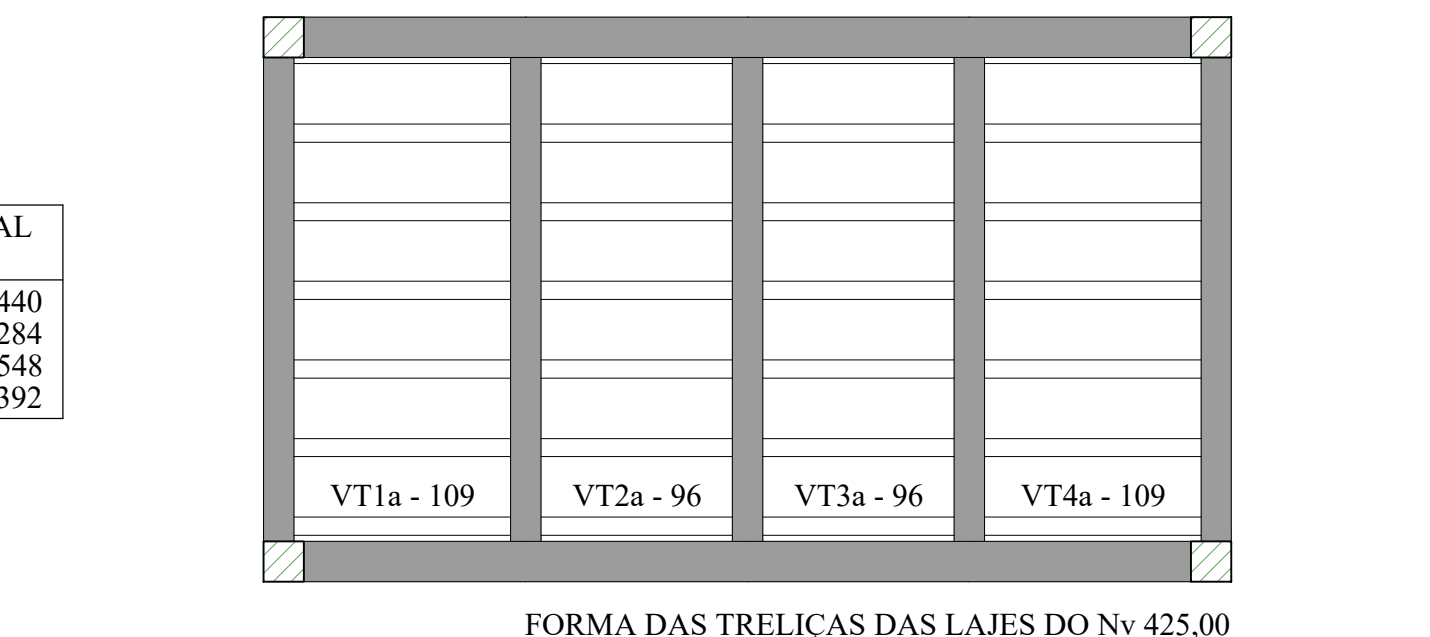
Legenda dos pilares	
	Pilar que passa

Legenda das vigas e paredes	
	Viga



RESUMO DO AÇO			
AÇO	TIPO	QTD	PESO + 10% (kg)
CA60	TELA Q-196	2	91.63
PESO TOTAL (kg)			
CA60	91.63		

Volume de concreto (C-30) = 1.23 m³



RELACÃO DO AÇO

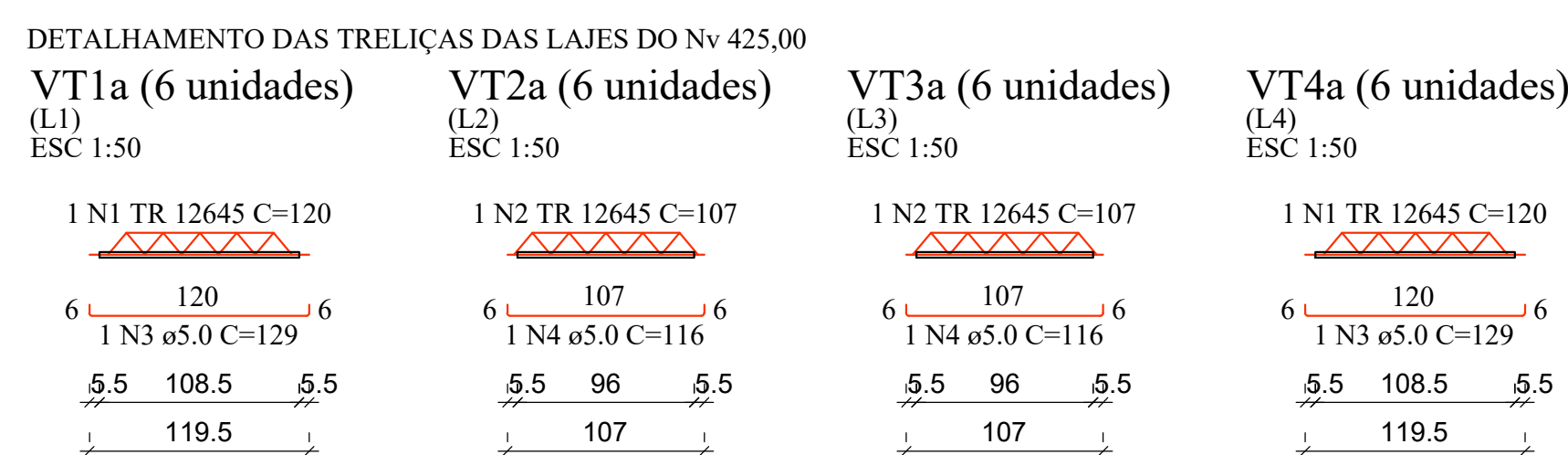
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	10.0	96	173	16608

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	166.1	112.6
PESO TOTAL (kg)			
CA50	112.6		

Volume de concreto (C-30) = 2.91 m³

Área de forma = 8.28 m



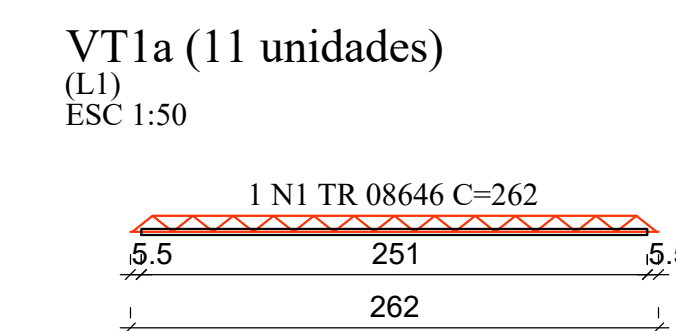
RELAÇÃO DO AÇO

6xVT1a 6xVT4a		6xVT2a		6xVT3a	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 12645	12	120	1440
	2	TR 12645	12	107	1284
	3	5.0	12	129	1548
	4	5.0	12	116	1392

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5,0	29,4	5
TR 12645		27,2	26,7
PESO TOTAL (kg)			
CA60	31,7		

Volume de concreto (C-30) = 0.64 m³



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 08646	11	262	2882

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	TR 08646	28.8	30.5
PESO TOTAL (kg)			
CA60	30.5		

Volume de concreto (C-30) = 0.58 m³

