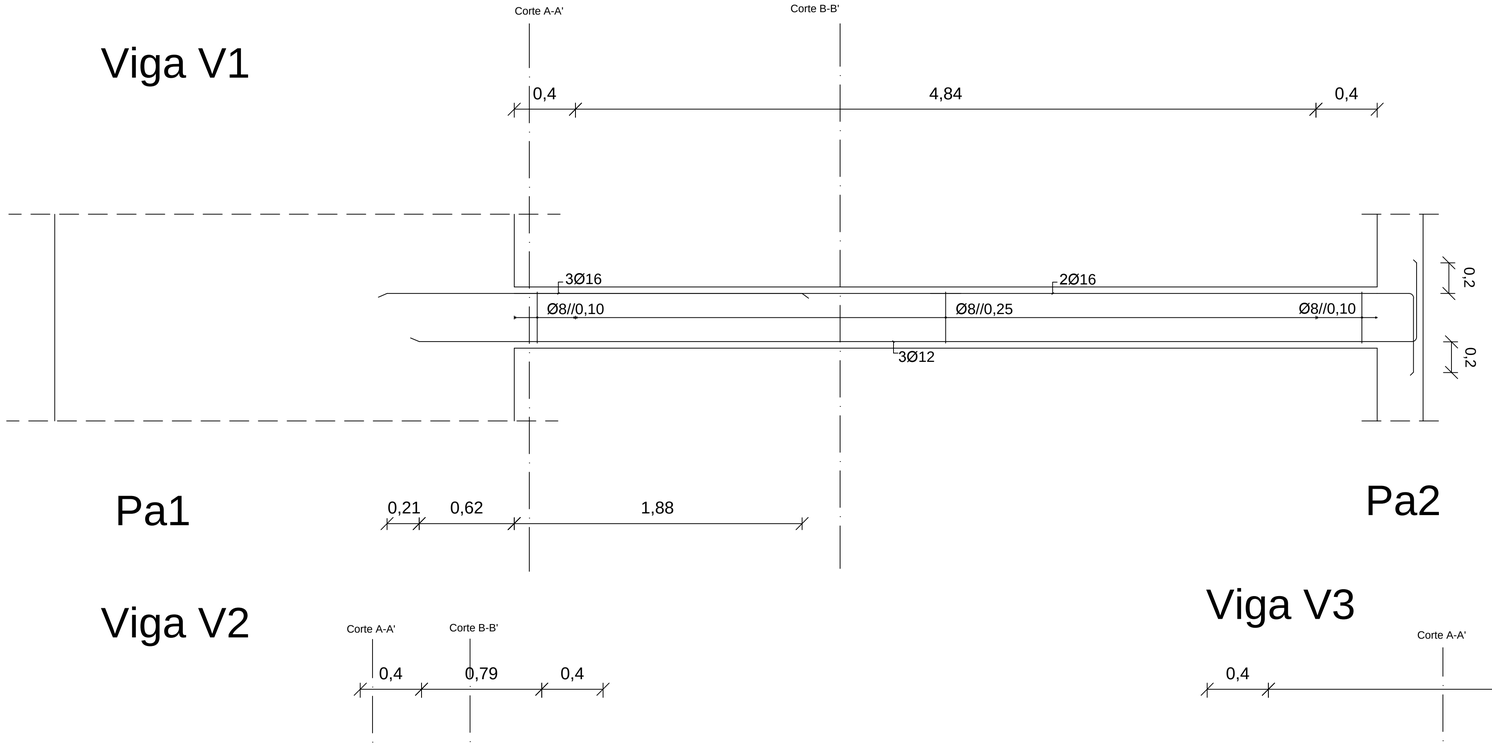
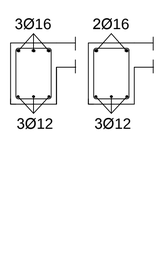
Viga V1



Pa1

Pa2



Comprimento de amarração (l_{bd}) e comprimento de emenda (l_0)

Varão	l_{bd} (m)	l_0 (m)
Ø8	0,42	0,63
Ø10	0,52	0,78
Ø12	0,62	0,93
Ø16	0,83	1,24
Ø20	1,04	1,56
Ø25	1,30	1,95

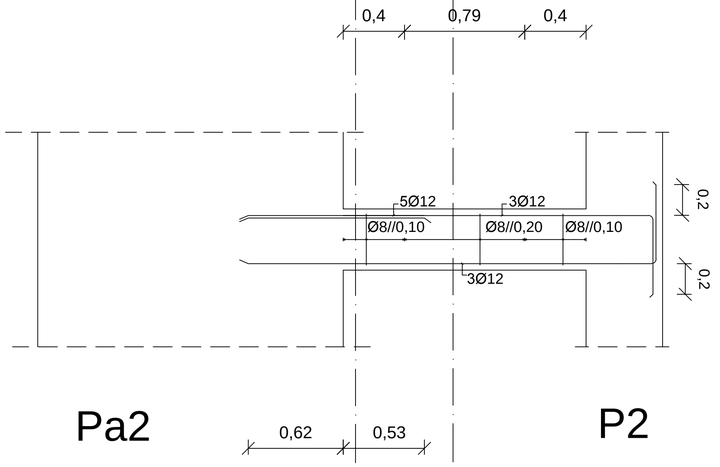
Materiais

Betões

Em geral	NP EN206-1 C30/37 XC2(pt) Cl0.20 Dmáx20 S4 c=35
Regularização	NP EN206-1 C12/15 X0(pt) Cl0.20 Dmáx25 S4
Fundações	NP EN206-1 C30/37 XC2(pt) Cl0.20 Dmáx20 S4 c=50
	c - Recobrimento nominal (mm)

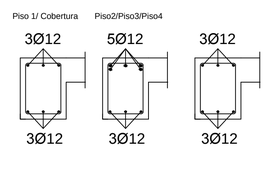
Aço A500 NR SD

Viga V2

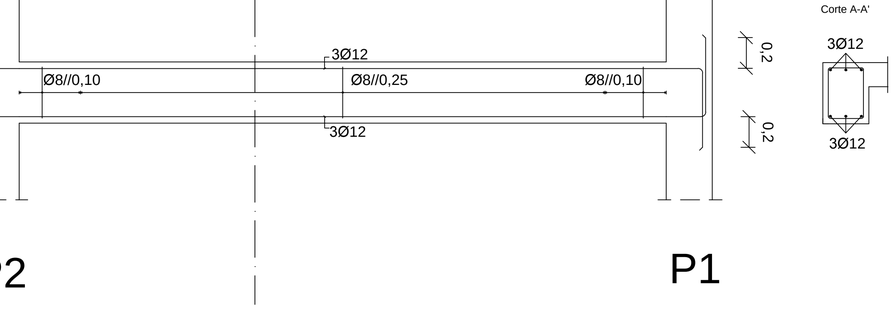


Pa2

P2



Viga V3



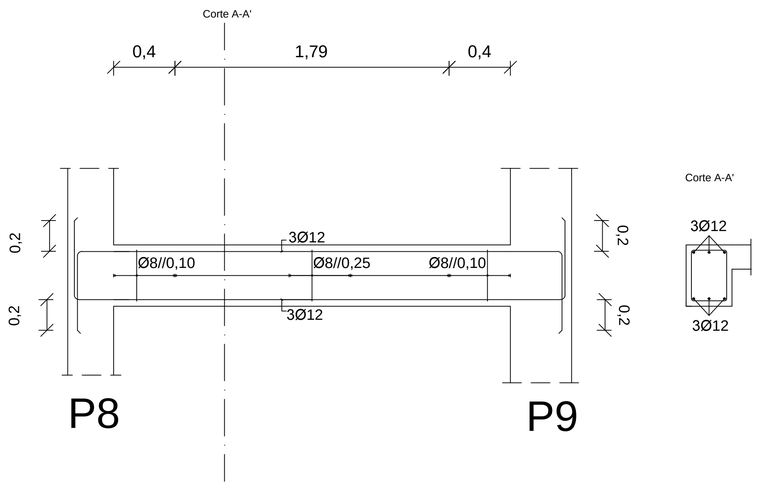
P2

P1

Nota:Todas as vigas tem a mesma secção transversal 0,3x0,4

Nota: A armadura longitudinal é igual em todas as vigas do Piso 0 (A_{sup}=3Ø12;A_{inf}=3Ø12)

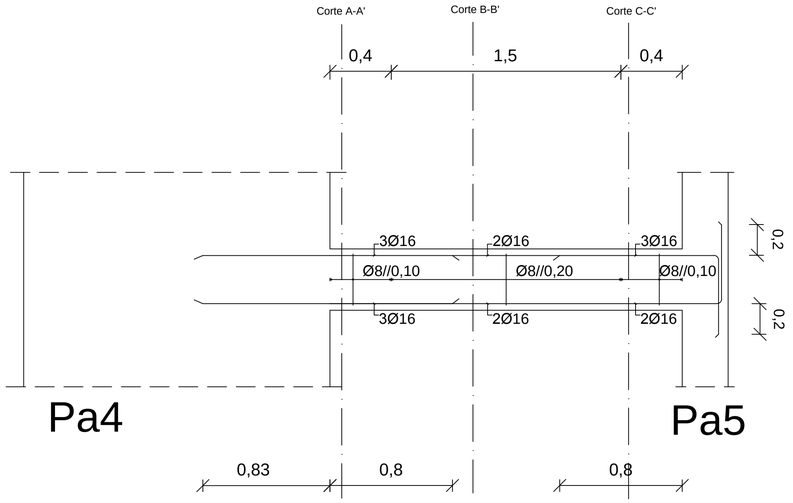
Viga V6



P8

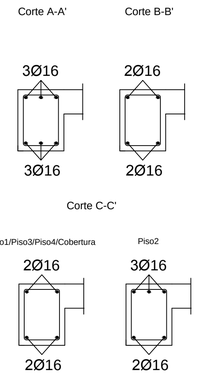
P9

Viga V8

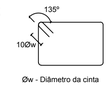


Pa4

Pa5



Pormenor de amarração das cintas



ISEL Instituto Superior de Engenharia de Lisboa	ÁREA DEPARTAMENTAL DE ENGENHARIA CIVIL MESTRADO EM ENGENHARIA CIVIL	
Elaborado por: Sérgio Pires N.º 30563	TRABALHO FINAL DE MESTRADO	ESCALA 1/20
	Dimensionamento Vigas (1)	DESENHO N.º 16
Fevereiro de 2015		Formato A1

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