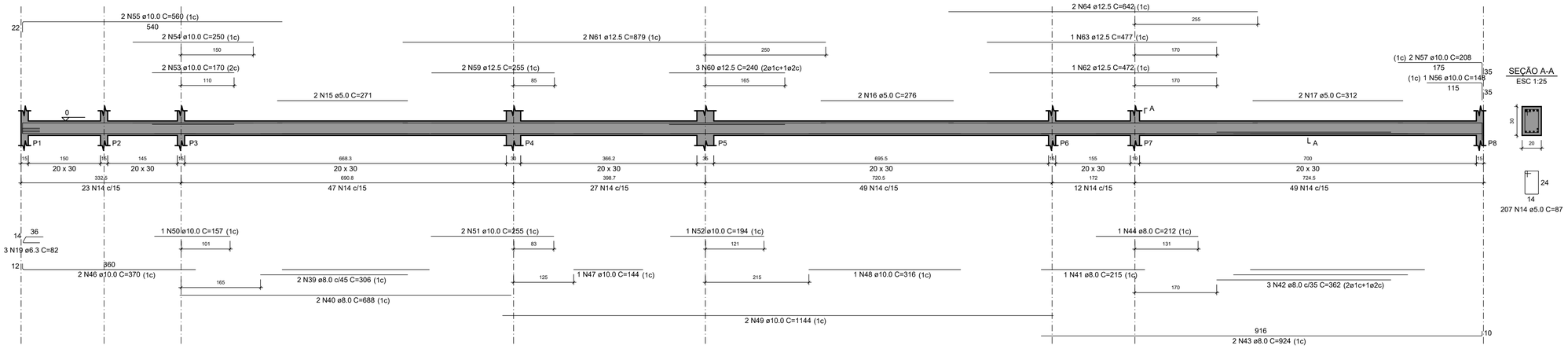
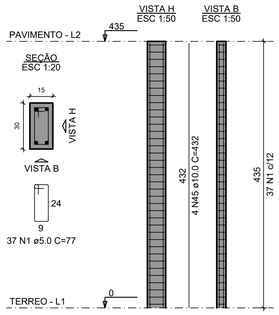
V12
ESC 1:50

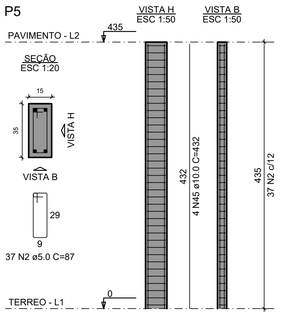


SEÇÃO A-A
ESC 1:25

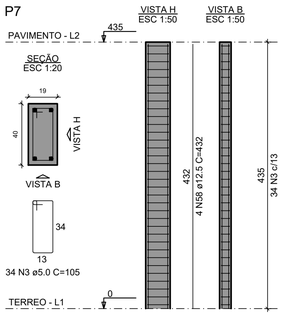
P1=P2=P3=P4=P6=P9= =P10=P11=P13



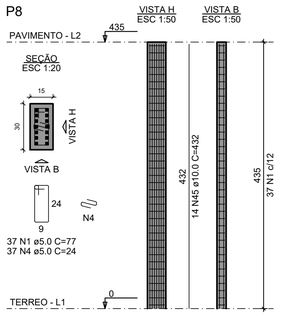
P5



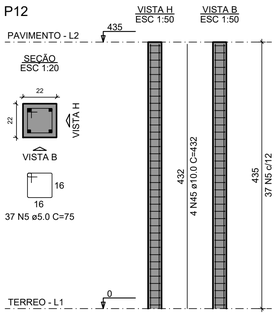
P7



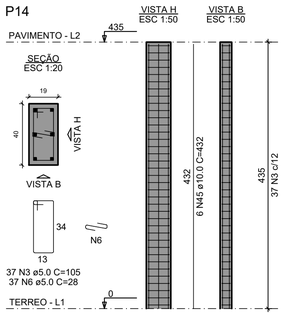
P8



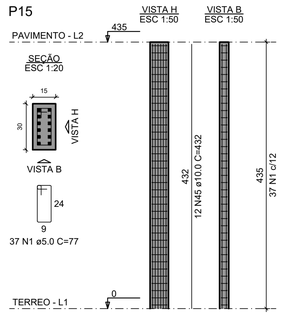
P12



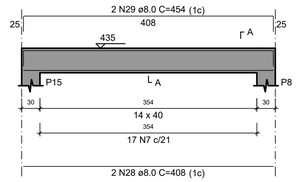
P14



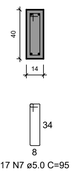
P15



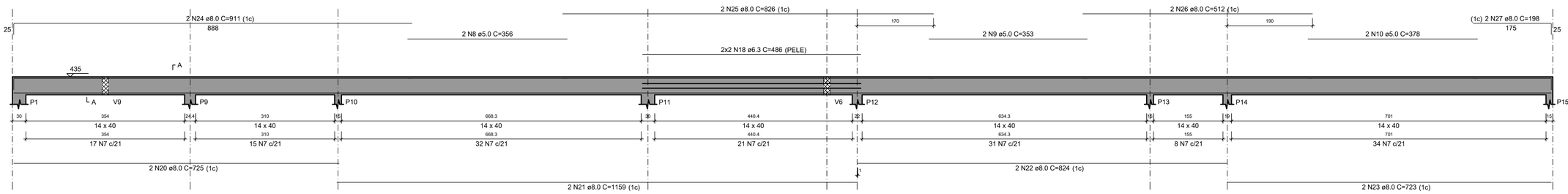
V2
ESC 1:50



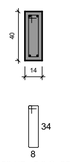
SEÇÃO A-A
ESC 1:25



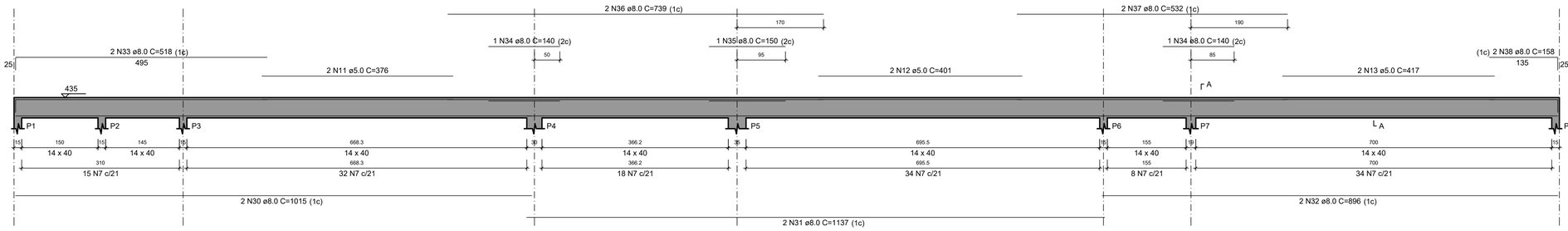
V1
ESC 1:50



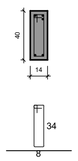
SEÇÃO A-A
ESC 1:25



V3
ESC 1:50



SEÇÃO A-A
ESC 1:25



RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	21.9	5.9
	8.0	292.5	127
	10.0	397.1	269.3
	12.5	69.5	73.6
CA60	5.0	1010.2	171.3

PESO TOTAL (kg)	
CA50	475.8
CA60	171.3

Volume de concreto (C-25) = 8.93 m³
Área de forma = 150.55 m²

WALMIR BARCELOS MOLINA
141 NE 2 ENGENHEIRO CIVIL
CREA 5062060134
TEL. (016) 999978248

Estrutural - Vigas e Pilares

CONSTRUÇÃO - COMERCIAL

07/09

VERSÃO: 01