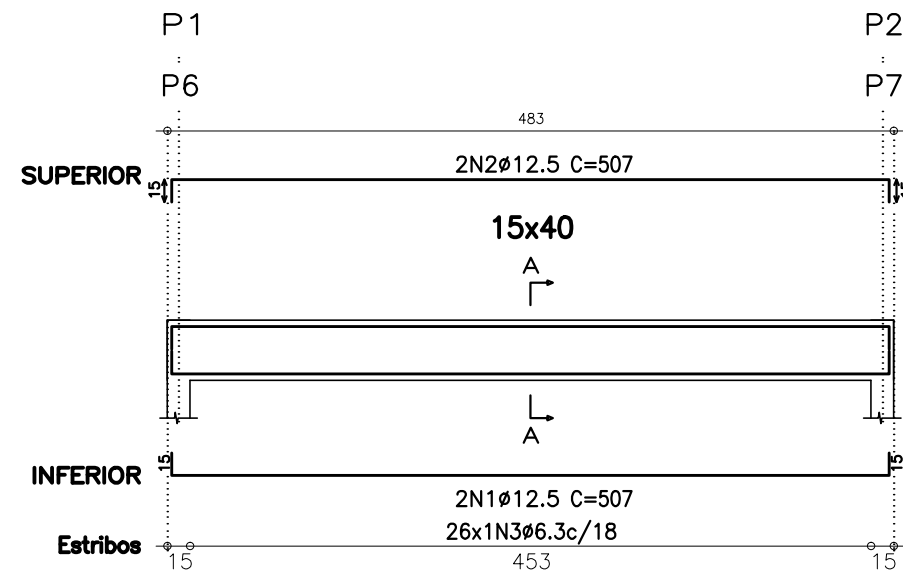
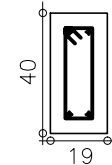


V 1
V 3
Escala 1:50

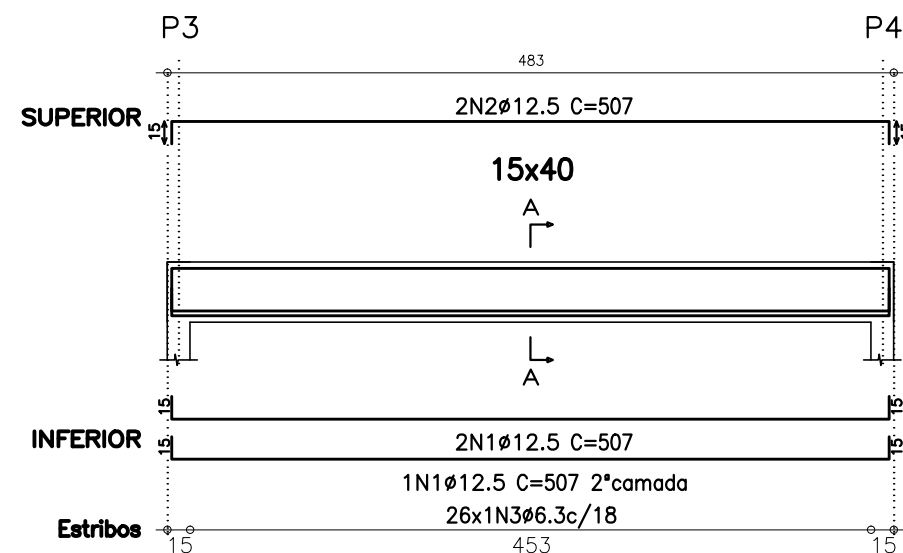


Corte A
Escala 1:25

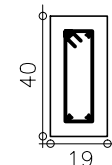


26N3Ø6.3 C=99

V 2
Escala 1:50



Corte A
Escala 1:25

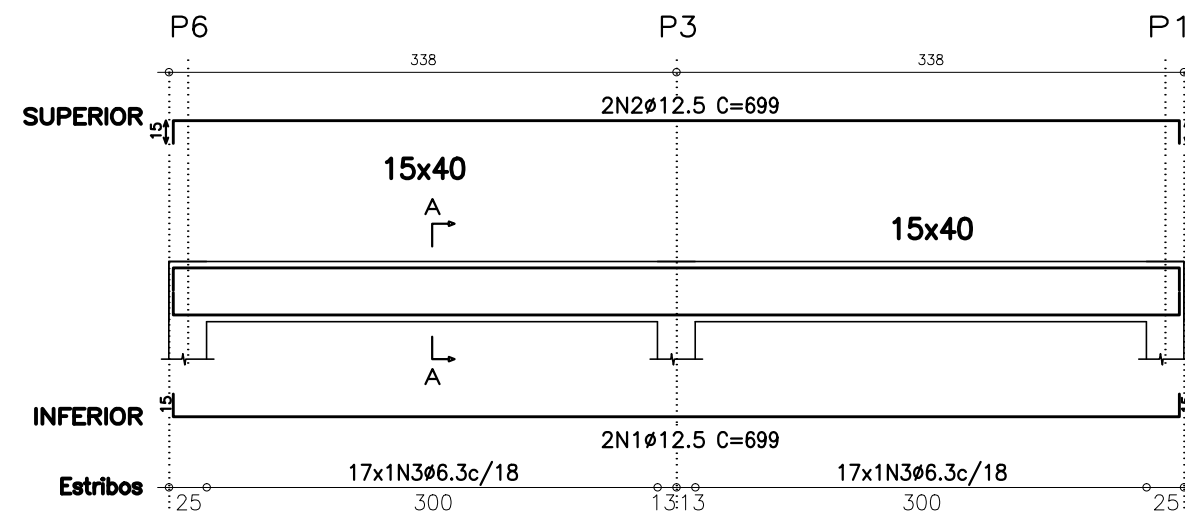


26N3Ø6.3 C=99

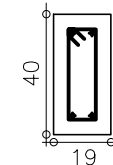
Resumo Aço	Comp. total	Peso+10%	Total
Piso 3			
Vigas			
CA-50 Ø6.3	143.6	39	
Ø12.5	121.8	129	168

Elemento	Pos.	Diam.	Q.	Dob.	Reta	Dob.	Comp.	Total	CA-50	CA-60
V 2	1	Ø12.5	3	15	477	15	507	1521	14.7	
	2	Ø12.5	2	15	477	15	507	1014	9.8	
	3	Ø6.3	26				99	2574	6.3	
Total+10%:									33.9	
V 4	1	Ø12.5	2	15	669	15	699	1398	13.5	
	2	Ø12.5	2	15	669	15	699	1398	13.5	
	3	Ø6.3	34				99	3366	8.2	
Total+10%:									38.7	
V 5	1	Ø12.5	2	15	669	15	699	1398	13.5	
	2	Ø12.5	2	15	669	15	699	1398	13.5	
	3	Ø6.3	33				99	3267	8.0	
Total+10%:									38.5	
V 1=V 3	1	Ø12.5	2	15	477	15	507	1014	9.8	
	2	Ø12.5	2	15	477	15	507	1014	9.8	
	3	Ø6.3	26				99	2574	6.3	
Total+10%:									28.5	
(x2):									57.0	
									Ø6.3:	38.5
									Ø12.5:	129.6
									Total:	168.1
										0.0
										0.0
										0.0

V 4
Escala 1:50

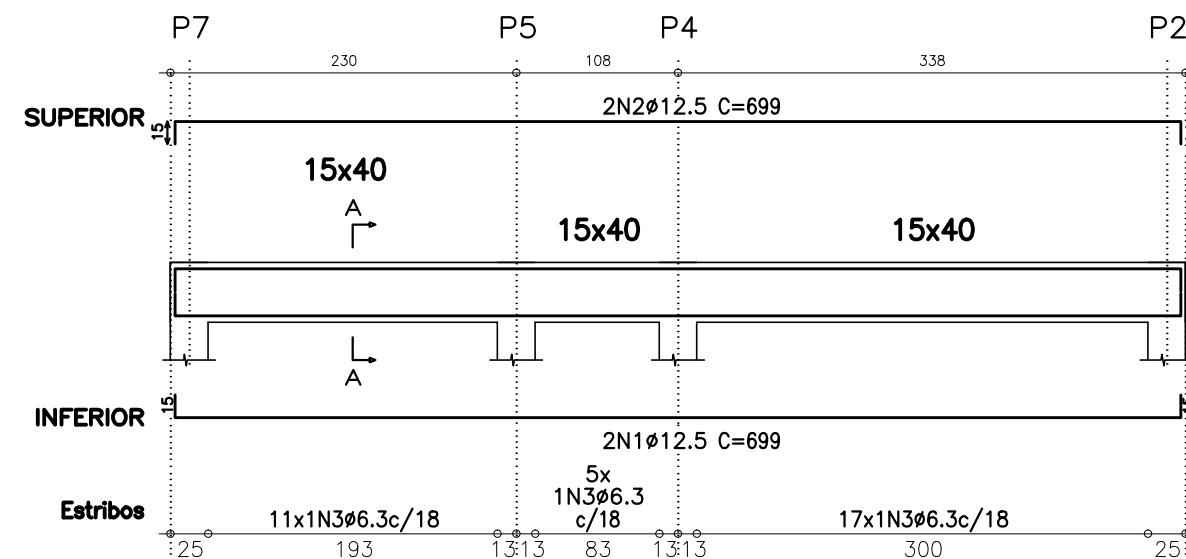


Corte A
Escala 1:25

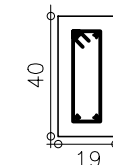


34N3Ø6.3 C=99

V 5
Escala 1:50



Corte A
Escala 1:25



33N3Ø6.3 C=99



EMPRESA MARANHENSE DE ADMINISTRAÇÃO PORTUÁRIA

E M A P

GOVERNO DO ESTADO DO MARANHÃO

TÍTULO: Contratação de Empresa Especializada para Construção de Banheiro Coletivo Necessário ao Funcionamento do Berço 108 no Porto do Itaqui em São Luís.

PROJETO:

Nº CONTRATADA:

Nº EMAP:

DS - PI - 1208 - 0016

ESCALA :

1/20

Nº PRANCHA:

08

RESP. TÉCNICO:

DATA:

JANEIRO 2015

REVISÃO:

01

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