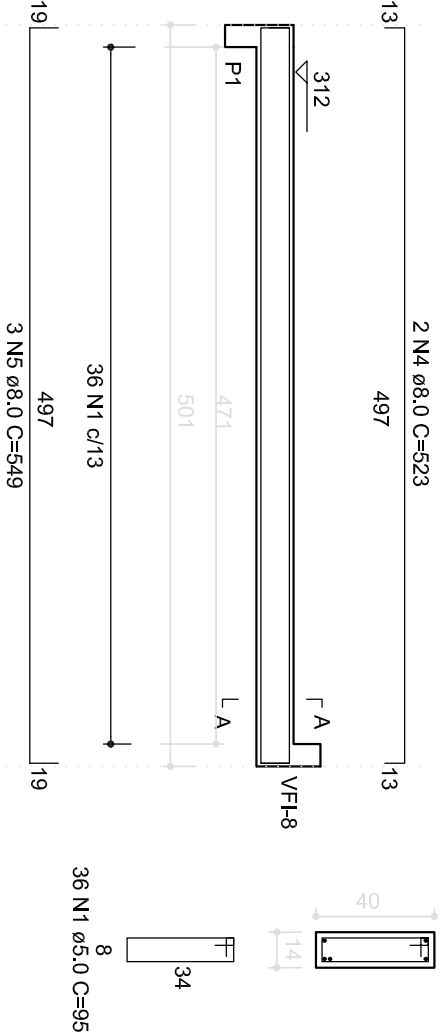


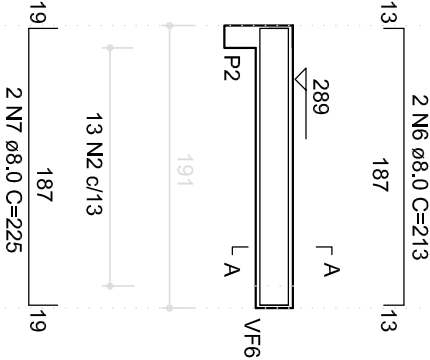
VF-I-1 (14 x 40)

Escala 1:50



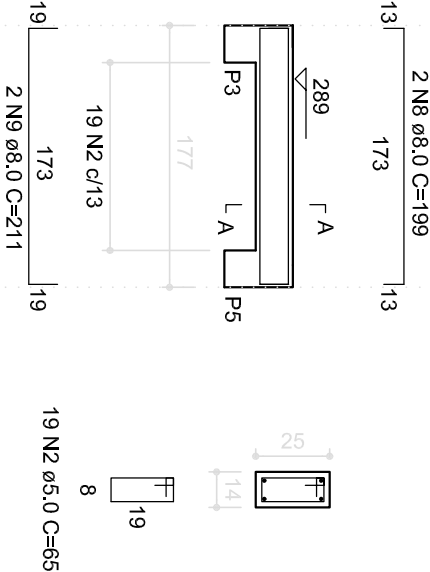
VF-2 (14 x 25)

Escala 1:50



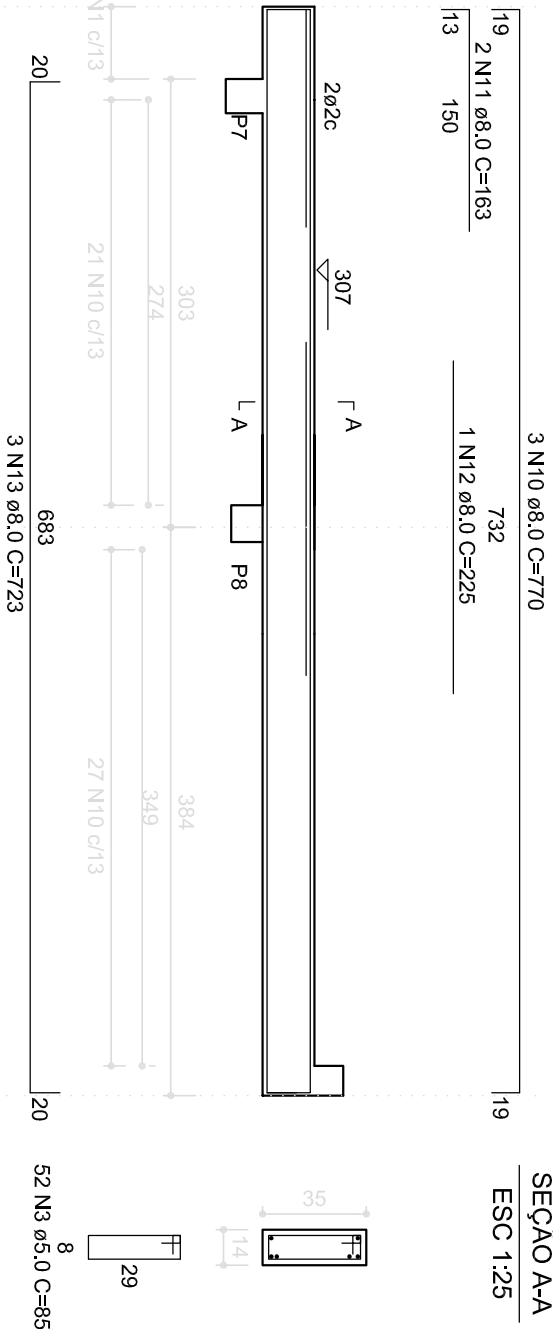
VF-3 (14 x 25)

Escala 1:50



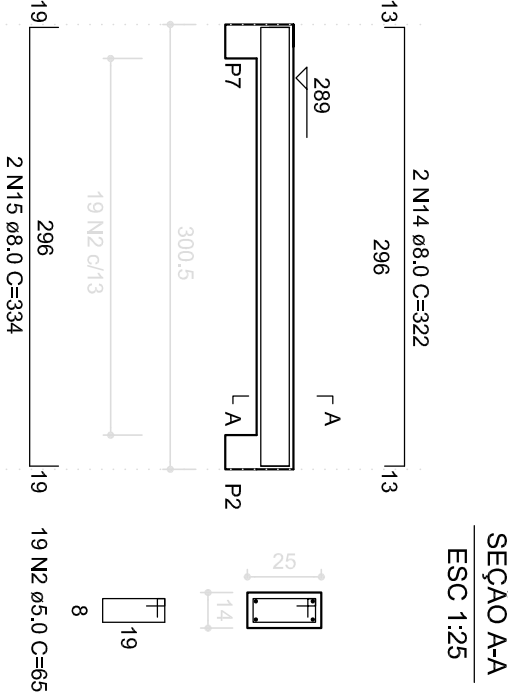
VF-I-4 (14 x 35)

Escala 1:50



VF-5 (14 x 25)

Escala 1:50



RELAÇÃO DO AÇO

VF-I-1 / VF-2 / VF3 / VF-I4 / VF5

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	36	95	3.420
60	2	5.0	51	65	3.315
60	3	5.0	52	85	4.420
50	4	8.0	2	523	1.046
50	5	8.0	3	549	1.647
50	6	8.0	2	213	426
50	7	8.0	2	213	450
50	8	8.0	2	199	398
50	9	8.0	2	211	422
50	10	8.0	2	770	1.540
50	11	8.0	2	163	326
50	12	8.0	1	225	225
50	13	8.0	2	723	1446
50	14	8.0	2	322	644
50	15	8.0	2	322	644

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	8.0	92,14	40,03
CA60	5.0	111,15	17,11

Vol. de concreto total = 0,60 m³
Área de forma total = 15,16 m²

EMPRESA MARANHENSE DE ADMINISTRAÇÃO PORTUÁRIA

E M A P

GOVERNO DO ESTADO DO MARANHÃO

PROETO URBANÍSTICO DE REQUALIFICAÇÃO DO CAIS DE SÃO JOSÉ DE RIBAMAR



PENALESP.	7	0,10
	7	0,20
	7	0,30
	7	0,40
	7	0,50
	7	0,60
	7	0,10
	7	0,05
	252	0,10
	253	0,10