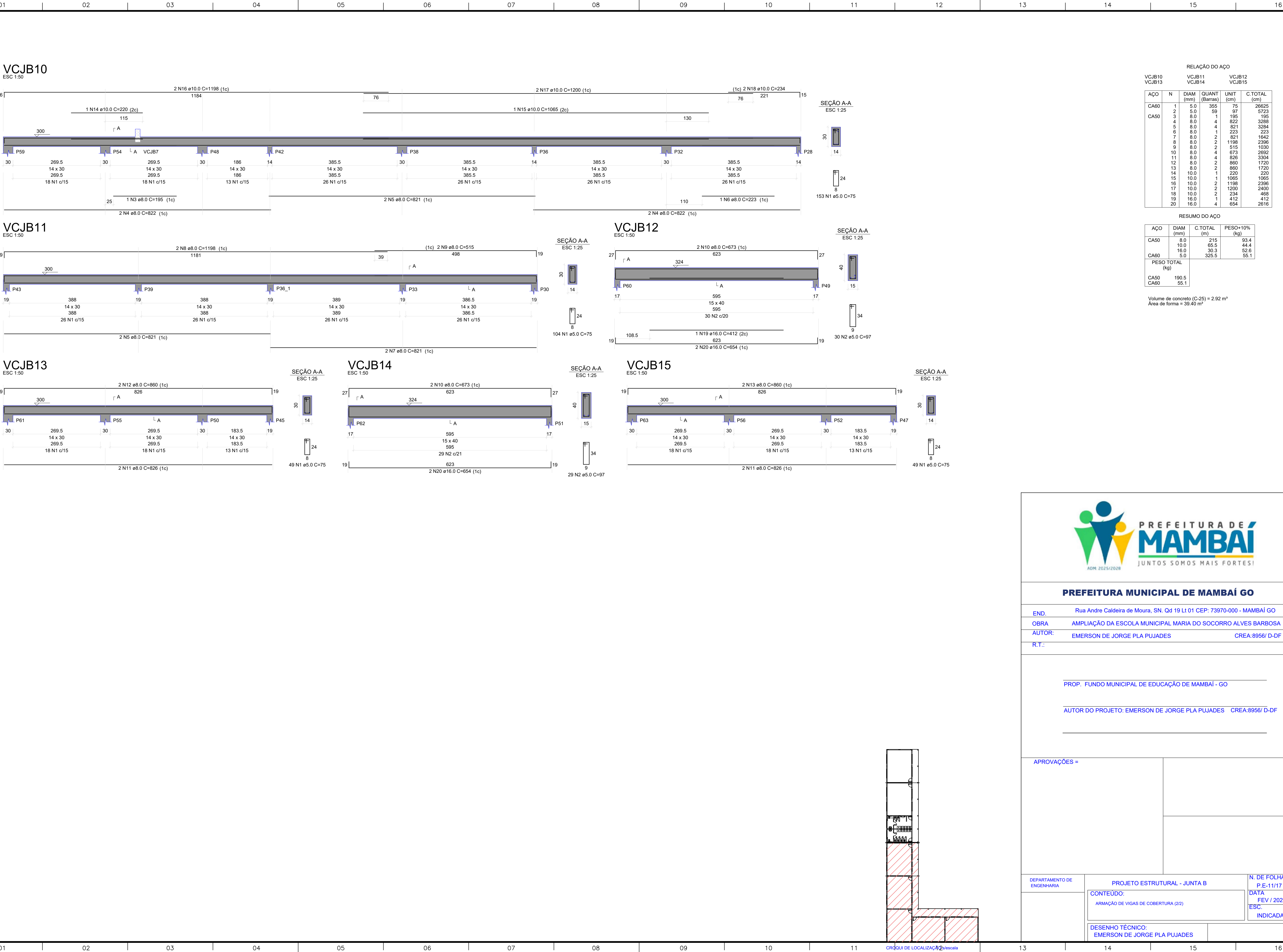




RELAÇÃO DO AÇO					
VCJB10 VCJB13		VCJB11 VCJB14		VCJB12 VCJB15	
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	355	75	26625
	2	5.0	59	97	5723
	3	8.0	1	195	195
	4	8.0	4	822	3288
	5	8.0	4	821	3284
	6	8.0	1	223	223
	7	8.0	2	821	1642
	8	8.0	2	1198	2396
	9	8.0	2	515	1030
	10	8.0	4	673	2692
CA50	11	8.0	4	826	3304
	12	8.0	2	860	1720
	13	8.0	2	860	1720
	14	10.0	1	220	220
	15	10.0	1	1065	1065
	16	10.0	2	1198	2396
	17	10.0	2	1200	2400
	18	10.0	2	234	468
	19	16.0	1	412	412
	20	16.0	4	654	2616

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	8.0	215	93.4
	10.0	65.5	44.4
CA60	16.0	30.3	52.6
	5.0	325.5	55.1
PESO TOTAL (kg)			
CA50			190.5
CA60			55.1

Volume de concreto (C-25) = 2.92 m³
Área de forma = 39.40 m²