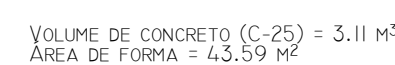
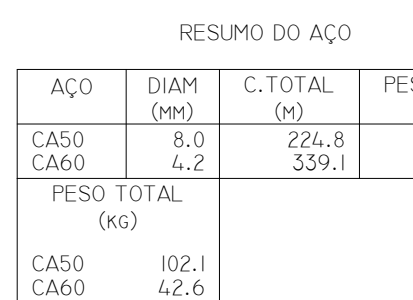


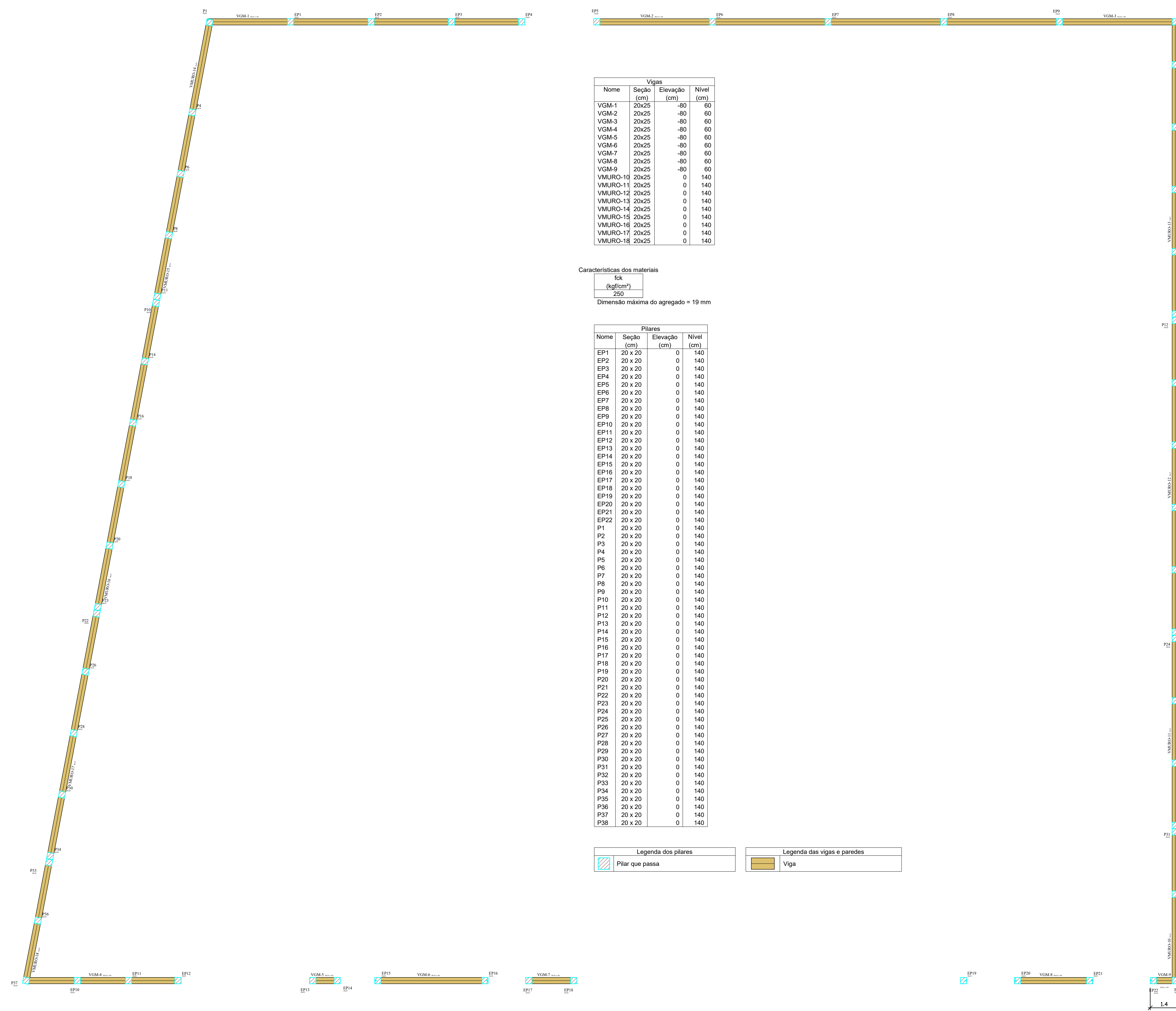


ESTACAS			
SIMBOLOGIA	NOME	D (CM)	QUANTIDADE
	C20	20.00	61

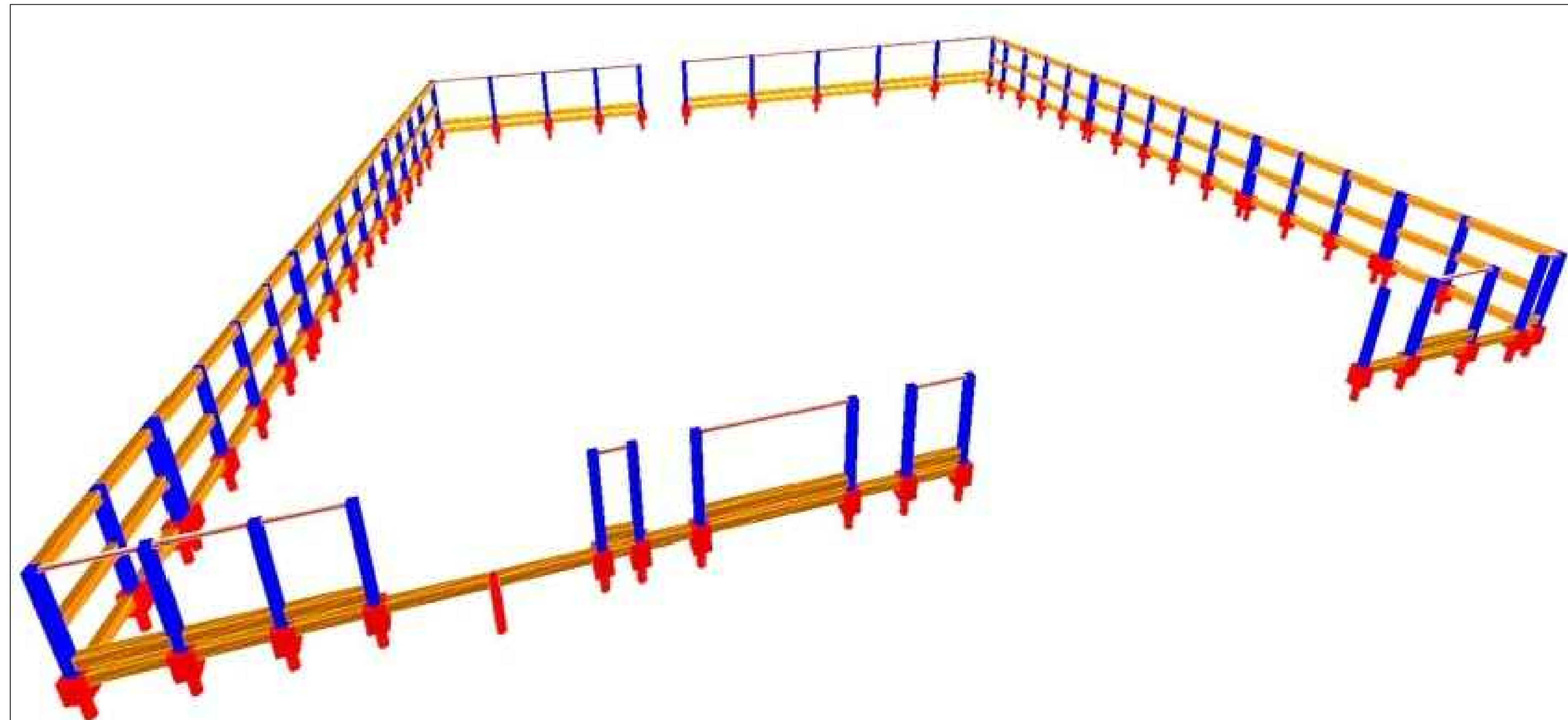
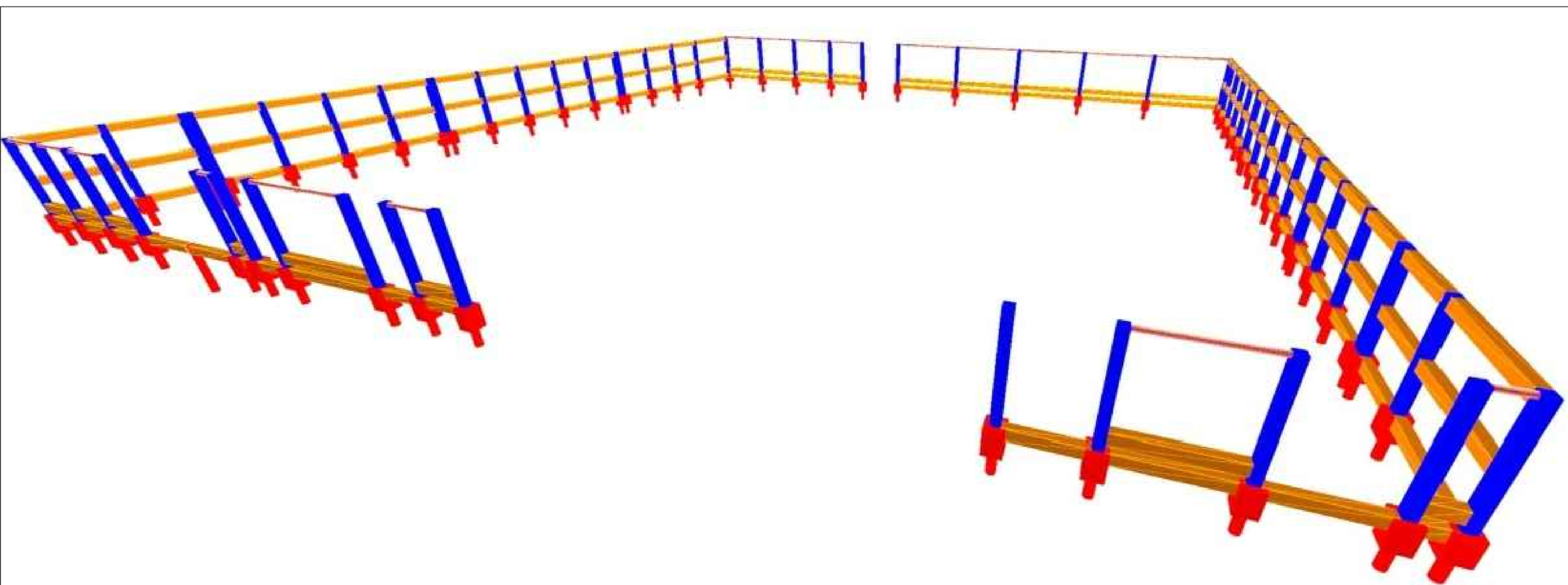
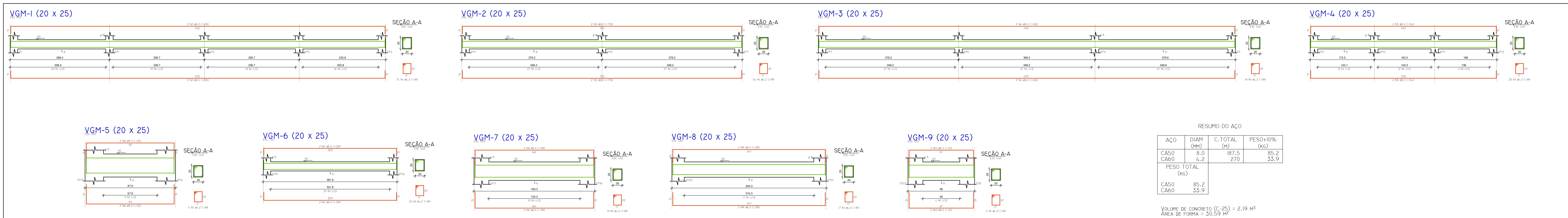
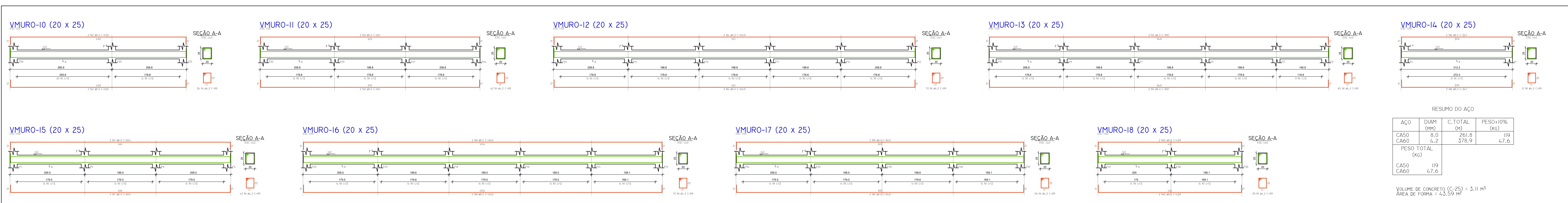
PILAR							FUNDAÇÃO					BLOCO					
NO	SEÇÃO	CARGA MÁX. (TF)	Fx MÁXIMO (KG.F.M)	Fy MÁXIMO (KG.F.M)	Fx MÁXIMO (KG.F.M)	Fy MÁXIMO (KG.F.M)	NO	LADO B	LADO H	H / HA	HI / HB	NE	ESTACA	CA			
			POSITIVO	NEGATIVO	POSITIVO	NEGATIVO		(CM)	(CM)	(CM)	(CM)						
E1	20x20	0.9	200	-300	100	0	0.1	0.0	0.1	-0.2	E1				C20 -20		
EP1	20x20	2.5	200	-100	100	0	0.1	0.0	0.1	0.0	BEP1	40	40	0	55	C20 -25	
EP2	20x20	2.4	300	-400	100	0	0.1	0.0	0.2	-0.1	BEP2	40	40	0	55	C20 -25	
EP3	20x20	2.4	400	-500	100	0	0.1	0.0	0.2	-0.1	BEP3	40	40	0	55	C20 -25	
EP4	20x20	1.4	400	-500	100	0	0.1	0.0	0.2	-0.1	BEP4	40	40	0	55	C20 -25	
EP5	20x20	1.9	400	-500	0	-100	0.0	-0.3	0.2	-0.1	BEP5	40	40	0	55	C20 -25	
EP6	20x20	3.3	400	-500	100	-200	0.1	-0.2	0.2	-0.1	BEP6	40	40	0	55	C20 -25	
EP7	20x20	3.3	400	-500	100	-200	0.1	-0.2	0.2	-0.1	BEP7	40	40	0	55	C20 -25	
EP8	20x20	3.3	400	-500	100	0	0.1	0.0	0.2	-0.1	BEP8	40	40	0	55	C20 -25	
EP9	20x20	3.3	200	-300	100	0	0.0	0.0	0.1	-0.2	BEP9	40	40	0	55	C20 -25	
EP10	20x20	1.9	100	-200	100	0	0.1	0.0	0.1	0.0	BEP10	40	40	0	55	C20 -25	
EP11	20x20	1.7	300	-200	100	0	0.1	0.0	0.1	-0.2	BEP11	40	40	0	55	C20 -25	
EP12	20x20	1.6	300	-400	100	0	0.1	0.0	0.1	-0.2	BEP12	40	40	0	55	C20 -25	
EP13	20x20	1.6	400	-300	100	0	0.1	0.0	0.1	-0.2	BEP13	40	40	0	55	C20 -25	
EP14	20x20	1.1	400	-500	100	0	0.1	0.0	0.2	-0.1	BEP14	40	40	0	55	C20 -25	
EP15	20x20	2.1	400	-500	100	-200	0.0	-0.1	0.2	-0.1	BEP15	40	40	0	55	C20 -25	
EP16	20x20	2.1	400	-500	100	0	0.2	0.0	0.2	-0.1	BEP16	40	40	0	55	C20 -25	
EP17	20x20	1.4	400	-500	100	-200	0.1	-0.2	0.2	-0.1	BEP17	40	40	0	55	C20 -25	
EP18	20x20	1.3	400	-500	100	0	0.1	0.0	0.2	-0.1	BEP18	40	40	0	55	C20 -25	
EP19	20x20	0.9	400	-500	0	0	0.0	-0.2	0.2	-0.1	BEP19	40	40	0	55	C20 -25	
EP20	20x20	1.7	400	-500	100	0	0.1	0.0	0.2	-0.1	BEP20	40	40	0	55	C20 -25	
EP21	20x20	1.8	300	-200	100	0	0.1	0.0	0.1	0.0	BEP21	40	40	0	55	C20 -25	
EP22	20x20	1.8	100	-200	100	0	0.1	0.0	0.1	0.0	BEP22	40	40	0	55	C20 -25	
P1	20x20	3.8	100	-200	200	-100	0.6	-0.6	0.6	0.7	0.0	B1	40	40	0	55	C20 -25
P2	20x20	3.0	100	-200	200	-200	0.8	-0.3	0.2	0.0	B2	40	40	0	55	C20 -25	
P3	20x20	3.5	100	-200	200	-100	0.1	-0.1	0.3	-0.1	B3	40	40	0	55	C20 -25	
P4	20x20	4.8	200	0	200	-300	0.1	-0.3	0.0	-0.6	B4	40	40	0	55	C20 -25	
P5	20x20	3.4	100	0	200	-300	0.2	-0.2	0.1	-0.3	B5	40	40	0	55	C20 -25	
P6	20x20	3.6	100	-200	200	-300	0.2	-0.1	0.3	-0.3	B6	40	40	0	55	C20 -25	
P7	20x20	3.7	100	-200	200	-300	0.2	-0.1	0.2	-0.1	B7	40	40	0	55	C20 -25	
P8	20x20	3.9	100	-200	300	-300	0.2	-0.1	0.3	-0.1	B8	40	40	0	55	C20 -25	
P9	20x20	3.8	100	-200	300	-200	0.2	-0.1	0.3	-0.2	B9	40	40	0	55	C20 -25	
P10	20x20	3.8	100	0	300	-200	0.2	-0.1	0.2	-0.2	B10	40	40	0	55	C20 -25	
P11	20x20	3.8	100	0	300	-200	0.2	-0.1	0.2	-0.3	B11	40	40	0	55	C20 -25	
P12	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.1	B12	40	40	0	55	C20 -25	
P13	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.1	B13	40	40	0	55	C20 -25	
P14	20x20	3.8	100	0	300	-200	0.2	-0.1	0.1	-0.2	B14	40	40	0	55	C20 -25	
P15	20x20	3.8	100	0	300	-200	0.2	-0.1	0.2	-0.3	B15	40	40	0	55	C20 -25	
P16	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.3	B16	40	40	0	55	C20 -25	
P17	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.3	B17	40	40	0	55	C20 -25	
P18	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.1	B18	40	40	0	55	C20 -25	
P19	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.1	B19	40	40	0	55	C20 -25	
P20	20x20	3.8	100	-200	300	-200	0.2	-0.2	0.3	-0.2	B20	40	40	0	55	C20 -25	
P21	20x20	3.8	100	-200	300	-200	0.2	-0.1	0.3	-0.2	B21	40	40	0	55	C20 -25	
P22	20x20	3.8	100	-200	300	-200	0.2	-0.1	0.2	-0.2	B22	40	40	0	55	C20 -25	
P23	20x20	3.8	100	0	300	-200	0.2	-0.1	0.2	-0.2	B23	40	40	0	55	C20 -25	
P24	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.3	B24	40	40	0	55	C20 -25	
P25	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.1	B25	40	40	0	55	C20 -25	
P26	20x20	3.8	100	-200	300	-200	0.2	-0.1	0.2	-0.2	B26	40	40	0	55	C20 -25	
P27	20x20	3.8	100	0	300	-200	0.2	-0.1	0.2	-0.2	B27	40	40	0	55	C20 -25	
P28	20x20	3.7	100	-200	300	-200	0.2	-0.1	0.2	-0.3	B28	40	40	0	55	C20 -25	
P29	20x20	3.8	100	-200	300	-200	0.2	-0.1	0.3	-0.1	B29	40	40	0	55	C20 -25	
P30	20x20	3.8	100	-200	300	-200	0.2	-0.1	0.3	-0.2	B30	40	40	0	55	C20 -25	
P31	20x20	4.7	100	-100	200	-100	0.1	-0.2	0.6	0.0	B31	40	40	0	55	C20 -25	
P32	20x20	3.8	100	-200	300	-200	0.1	-0.2	0.4	-0.4	B32	40	40	0	55	C20 -25	
P33	20x20	2.7	100	0	200	-300	0.6	-0.9	0.0	-0.5	B33	40	40	0	55	C20 -25	
P34	20x20	3.3	200	0	200	-100	0.6	-0.3	0.0	-0.8	B34	40	40	0	55	C20 -25	
P35	20x20	3.9	200	-300	600	-500	0.3	-0.2	0.2	-0.2	B35	80	40	0	55	C20 -25	
P36	20x20	3.9	200	-300	600	-500	0.3	-0.2	0.2	-0.3	B36	80	40	0	55	C20 -25	
P37	20x20	3.9	200	-300	600	-500	0.3	-0.2	0.2	-0.3	B37	80	40	0	55	C20 -25	
P38	20x20	3.9	200	-300	600	-500	0.3	-0.2	0.2	-0.3	B38	80	40	0	55	C20 -25	
P39	20x20	3.9	600	-500	600	-500	0.3	-0.2	0.2	-0.3	B39	80	40	0	55	C20 -25	
P40	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.2	-0.4	B40	80	40	0	55	C20 -25	
P41	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B41	80	40	0	55	C20 -25	
P42	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B42	80	40	0	55	C20 -25	
P43	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B43	80	40	0	55	C20 -25	
P44	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B44	80	40	0	55	C20 -25	
P45	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B45	80	40	0	55	C20 -25	
P46	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B46	80	40	0	55	C20 -25	
P47	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B47	80	40	0	55	C20 -25	
P48	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B48	80	40	0	55	C20 -25	
P49	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B49	80	40	0	55	C20 -25	
P50	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B50	80	40	0	55	C20 -25	
P51	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B51	80	40	0	55	C20 -25	
P52	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B52	80	40	0	55	C20 -25	
P53	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B53	80	40	0	55	C20 -25	
P54	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B54	80	40	0	55	C20 -25	
P55	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B55	80	40	0	55	C20 -25	
P56	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B56	80	40	0	55	C20 -25	
P57	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B57	80	40	0	55	C20 -25	
P58	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B58	80	40	0	55	C20 -25	
P59	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B59	80	40	0	55	C20 -25	
P60	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B60	80	40	0	55	C20 -25	
P61	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B61	80	40	0	55	C20 -25	
P62	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B62	80	40	0	55	C20 -25	
P63	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B63	80	40	0	55	C20 -25	
P64	20x20	3.9	300	-200	600	-500	0.3	-0.2	0.3	-0.4	B64	80					



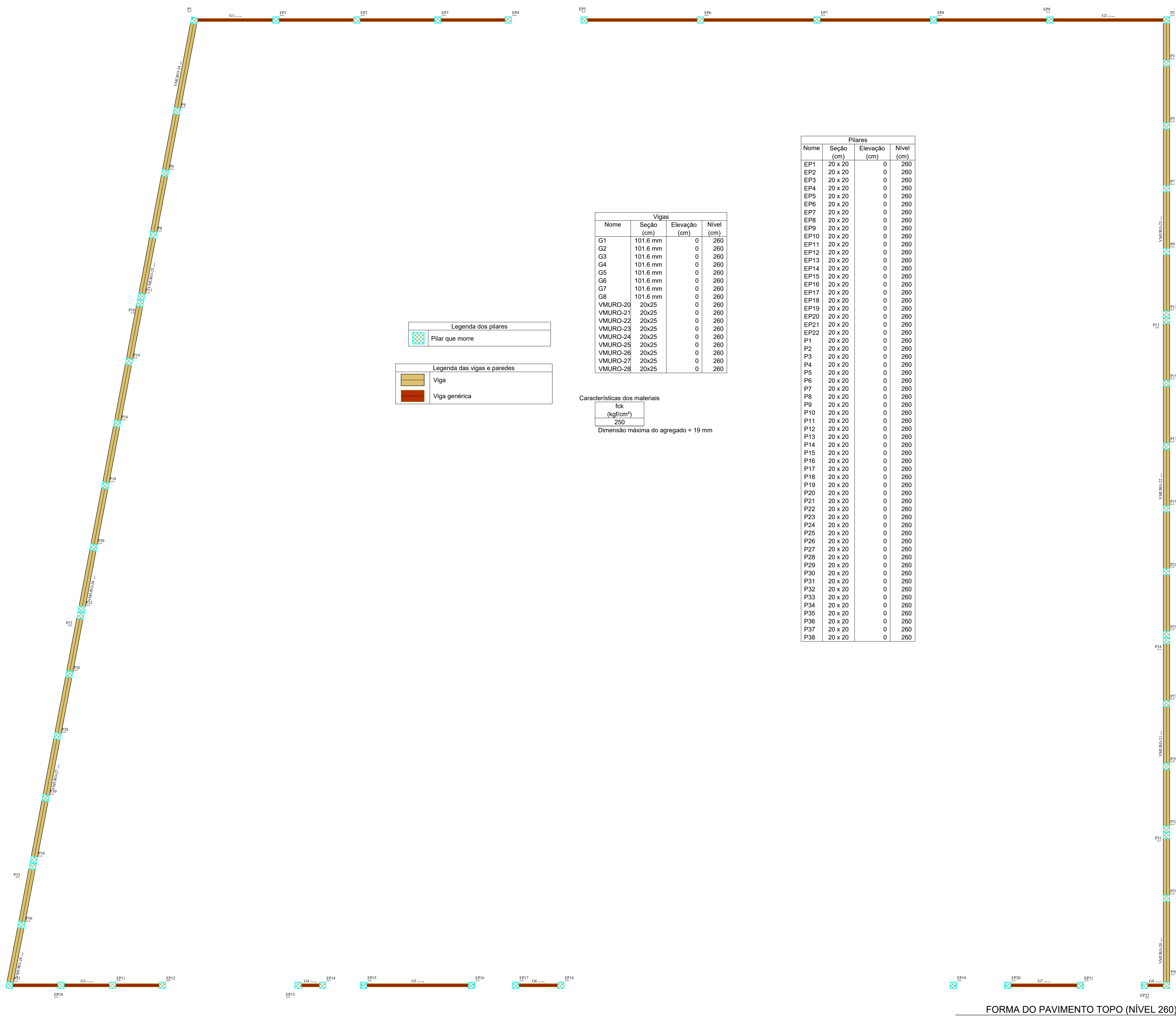
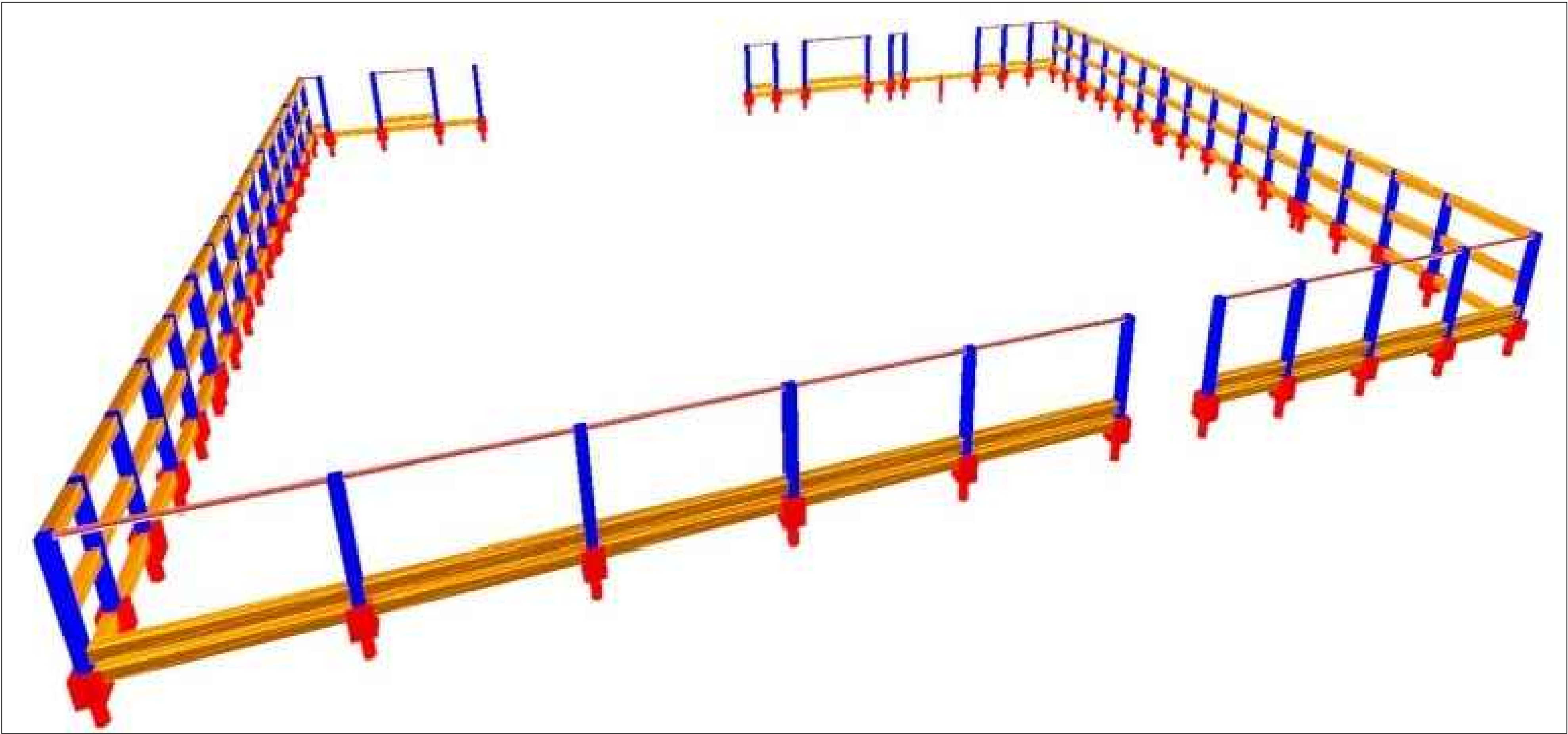
RESPONSÁVEL TÉCNICO	HELEN PATRICIA FONSECA COSTA		CREACAO Nº:	326.546/D
	PROPRIETÁRIO		CPF/CNPJ:	18.192.898/0001-02
PREFEITURA MUNICIPAL DE SANTA RITA DO SAPUCAÍ				
TÍTULO				
PROJETO ESTRUTURAL - MURO				
CATEGORIA DE USO				
UBS SANTA RITA II - PORTE 1				
ENDEREÇO	ENDEREÇO			
	DETAΛHES			
	DETAΛHAMENTOS ESTRUTURAS			
	TENDIDO DE OBRA			
	RUA ANTONIO AMÉRICO JUNQUEIRA			
BARRIO	ALUGUEIRO	AI	DATA:	
SANTA RITA II	COTE		31/07/25	
ENDEREÇO	UBS			
SANTA RITA DO SAPUCAÍ - MG	ZONA	ZOB	2/5	



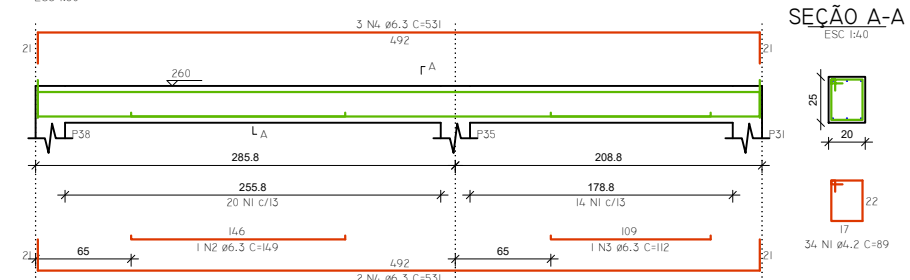
FORMA DO PAVIMENTO MEDIO (NÍVEL 140)



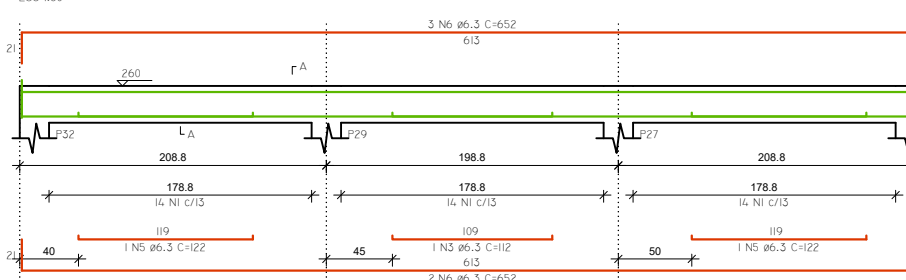
RESPONSÁVEL TÉCNICO		CRECAU/MG	
HELEN PATRICIA FONSECA COSTA		326.546/D	
PROPRIETÁRIO		EMPRESA	
PREFEITURA MUNICIPAL DE SANTA RITA DO SAPUCAÍ		18.192.898/0001-02	
TÍTULO			
PROJETO ESTRUTURAL - MURO			
CATEGORIA DE USO			
UBS SANTA RITA II - PORTE 1			
DETALHAMENTOS ESTRUTURAIS			
PROJETO		PROJETO	
RUA ANTÔNIO AMÉRICO JUNQUEIRA		ABRIGAÇÃO	DATA
BARRIO		COTE	FOLHA
SANTA RITA II			3/5
CÓDIGO		ESCALA	
SANTA RITA DO SAPUCAÍ - MG		ZOB	



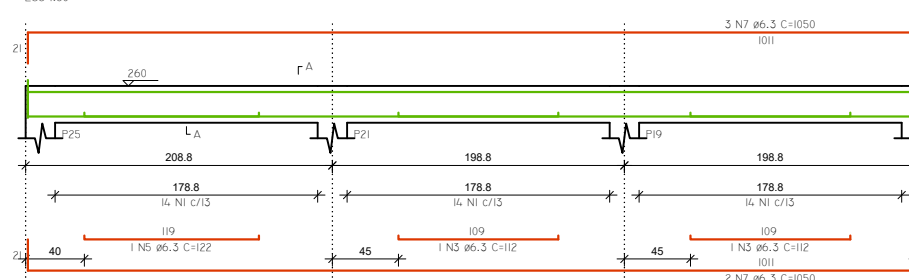
VMURO-20 (20 x 25)



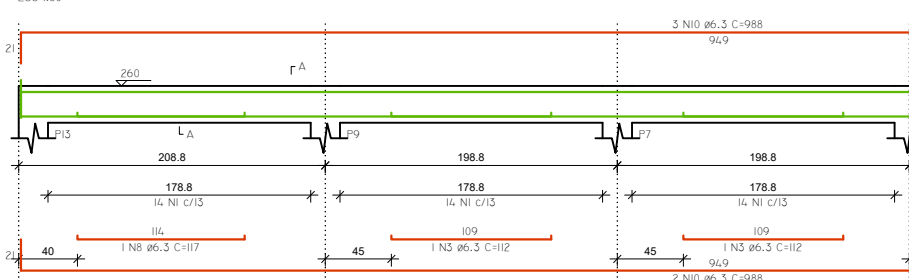
VMURO-21 (20 x 25)



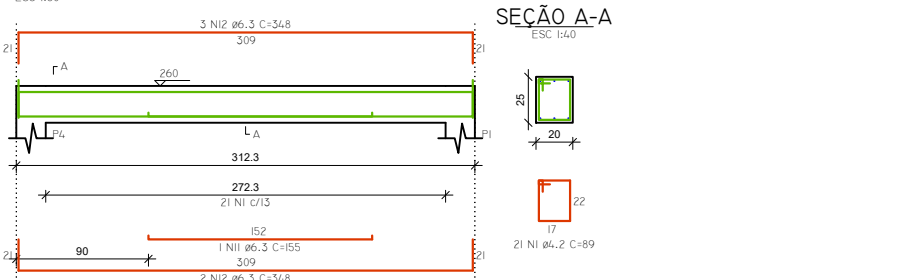
VMURO-22 (20 x 25)



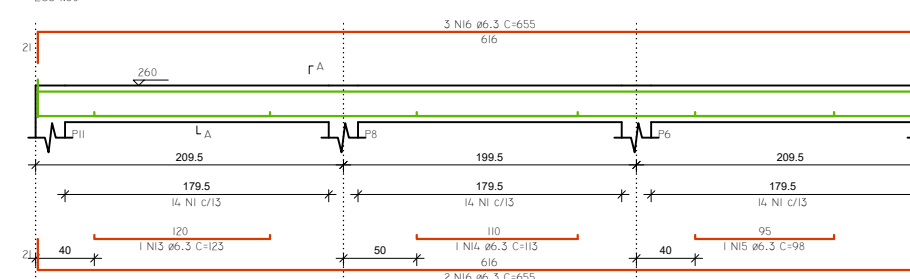
VMURO-23 (20 x 25)



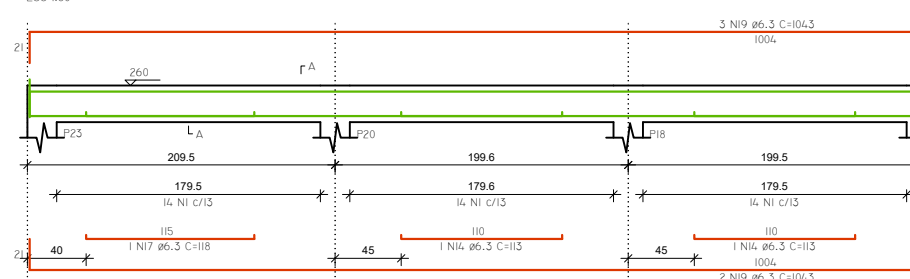
VMURO-24 (20 x 25)



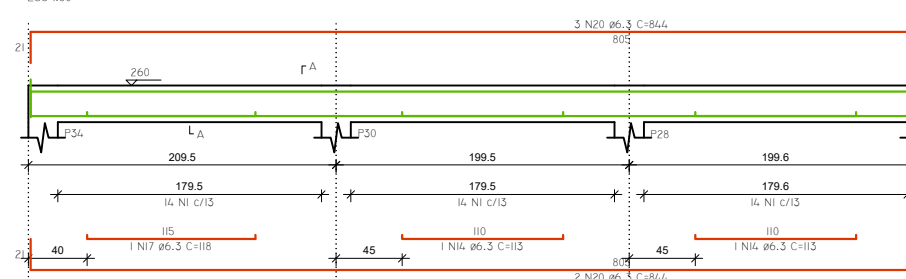
VMURO-25 (20 x 25)



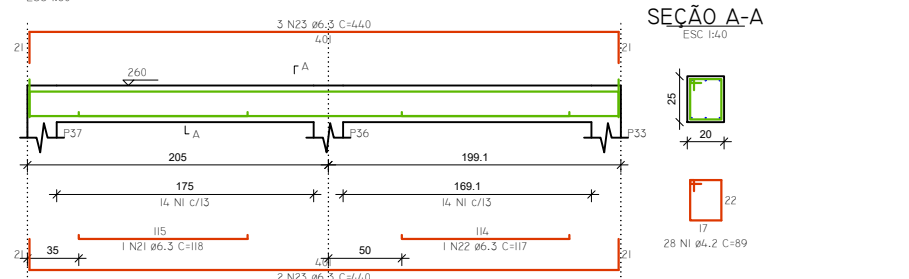
VMURO-26 (20 x 25)



VMURO-27 (20 x 25)



VMURO-28 (20 x 25)



RESUMO DO AÇO				
ACÓ	DIAM (mm)	C-TOTAL (kg)	PESO+10% (kg)	
CASO CASO	6.5	365.3	401.8	
	6.2	378.9	417.2	
CASO CASO	10.4	47.6		

VOLUME DE CONCRETO (C-25) = 3.11 m³
ÁREA DE FORMA = 2.33 m²

RESPONSÁVEL TÉCNICO		ORÇAMENTO	
HELEN PATRICIA FONSECA COSTA		326.546/D	
PROPRIETÁRIO		EMPRESA	
PREFEITURA MUNICIPAL DE SANTA RITA DO SAPUCAÍ		18.192.898/0001-02	
TÍTULO			
PROJETO ESTRUTURAL - MURO			
CATEGORIA DE USO			
UBS SANTA RITA II - PORTE 1			
DETALHE			
DETALHE DE CONCRETO			
PROJETO		AUTORA	
RITA ANTONIO AMERICO JUNQUEIRA		31/07/25	
AUTORA		TÍTULO	
SANTA RITA II		4/5	
TÍTULO		ZOB	
SANTA RITA DO SAPUCAÍ - MG			



RESUMO DO AÇO				
ACØ	DIAM (mm)	C.TOTAL (kg)	PESO + 15% (kg)	
CASO	8.0	539.1	244.6	
CABO	4.2	4.2	16.9	
PESO TOTAL (kg)		1096.1	519.6	
VOLUME DE CONCRETO (C-25) = 4.33 m³				
ÁREA DE FORMA = 80.64 m²				

RESUMO DO AÇO				
ACØ	DIAM (mm)	C.TOTAL (kg)	PESO + 15% (kg)	
CASO	8.0	190.3	86.4	
CABO	4.2	539.3	67.5	
PESO TOTAL (kg)		86.4	67.5	
VOLUME DE CONCRETO (C-25) = 1.50 m³				
ÁREA DE FORMA = 29.92 m²				

RESPONSÁVEL TÉCNICO		ORÇANAL (R\$)	
HELEN PATRICIA FONSECA COSTA		326.546/D	
PROPRIETÁRIO		EMPRESA	
PREFEITURA MUNICIPAL DE SANTA RITA DO SAPUCAÍ		18.192.898/0001-02	
TÍTULO			
PROJETO ESTRUTURAL - MURO			
CATEGORIA DE USO			
UBS SANTA RITA II - PORTE 1			
DETALHES			
DETACHAMENTOS ESTRUTURAIS			
PROJETO	ENDEREÇO DO OBRA		DATA
	RUA ANTÔNIO AMÉRICO JUNQUEIRA		31/07/25
	BAIRRO		
	SANTA RITA II		
	CIDADE		
SANTA RITA DO SAPUCAÍ - MG		ZONA	
		ZOB	5/5