

RELAÇÃO DO AÇO

P1-L2	P1-L1	3xP2-L2	
3xP2-L1	P5-L2	P5-L1	
P6-L2	P6-L1	P7-L2	
P8-L2	2xP9-L2	P10-L2	
6xP12-L2	4xP13-L2	3xP13-L1	
2xP14-L1	2xP16-L2	3xP16-L1	
P17-L2	4xP18-L2	2xP19-L2	
P20-L2	P22-L2	5xP25-L1	
3xP26-L1	P27-L1	P29-L1	
P36-L1	P38-L1	P47-L1	
P52-L1	P54-L1	P62-L1	
P63-L1	P64-L1	P71-L1	

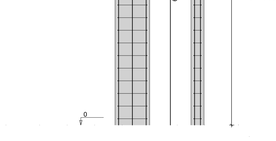
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	34	24	816
	2	5.0	204	97	19788
	3	5.0	201	107	21507
	4	5.0	68	29	1972
	5	5.0	104	147	15288
	6	5.0	30	29	870
	7	5.0	12	127	1524
	8	5.0	180	24	4320
	9	5.0	3	147	441
	10	5.0	39	29	1131
	11	5.0	19	67	1273
	12	5.0	10	87	870
	13	5.0	16	127	2032
	14	5.0	9	49	441
CA50	15	10.0	24	388	9312
	16	10.0	50	112	5600
	17	10.0	14	70	980
	18	10.0	16	75	1200
	19	10.0	14	65	910
	20	10.0	52	107	5564
	21	10.0	2	50	100
	22	10.0	6	92	552
	23	12.5	22	397	8734
	24	12.5	6	120	720
	25	12.5	32	115	3680
	26	12.5	4	347	1388
	27	12.5	20	94	1880
	28	12.5	14	64	896
	29	12.5	12	105	1260
	30	12.5	6	95	570
	31	12.5	6	100	600
	32	16.0	8	410	3280
	33	16.0	2	48	96
	34	16.0	2	121	242
	35	16.0	18	112	2016
	36	16.0	26	63	1638
	37	16.0	44	127	5588
	38	16.0	4	347	1388
	39	16.0	12	107	1284

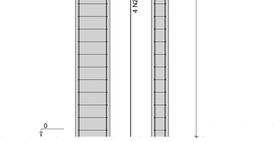
RESUMO DO AÇO

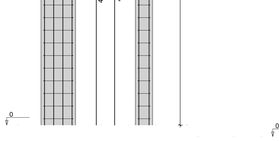
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	242.2	164.2
	12.5	197.3	209.1
	16.0	155.3	269.7
CA60	5.0	722.7	122.5

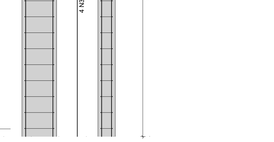
PESO TOTAL (kg)	
CA50	643
CA60	122.5

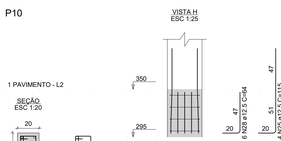
Volume de concreto (C-25) = 3.57 m³
Área de forma = 51.45 m²



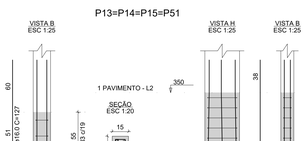


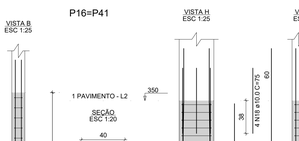


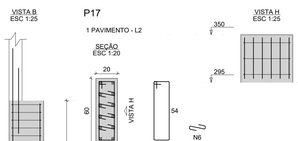


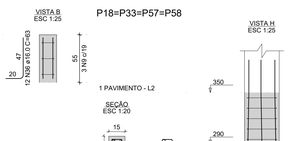




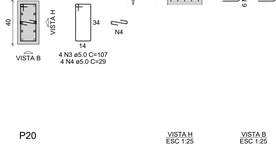


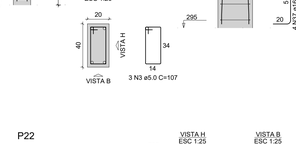












CONSÓRCIO REGIONAL DE SANEAMENTO BÁSICO - CONSANE

AUTORIA DO PROJETO: Eng. Civil Felipe Vinícius Oliveira Silva
CREA nº 209726/D-MG

RESPONSÁVEL TÉCNICO: Eng. Civil Felipe Vinícius Oliveira Silva
CREA nº 209726/D-MG

ENDEREÇO: RUA QUINTINO BOCAIÚVA

PROPRIETÁRIO: Município de Elói Mendes/MG

PROJETO ESTRUTURA DE CONCRETO ARMADO

OBRA: SECRETARIA DE EDUCAÇÃO

ASSUNTO: LOCAÇÃO

ETAPA DO PROJETO: EXECUTIVO

REVISÃO:	FORMATO:	FOLHA:	DATA:
R00	A0	12/16	24/08/2026