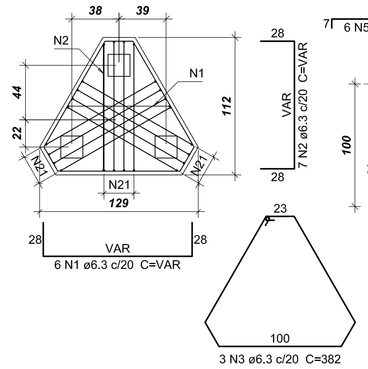
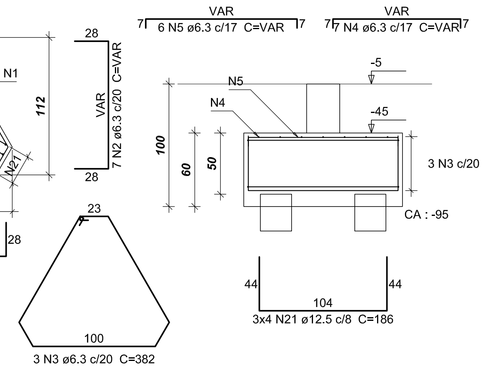
B13=B14
3 est. 18x18

Planta
ESC 1:25

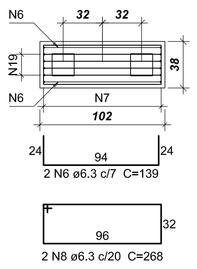


Corte
ESC 1:25

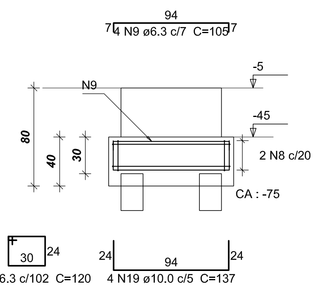


B4=B10=B19=B26
2 est. 18x18

Planta
ESC 1:25

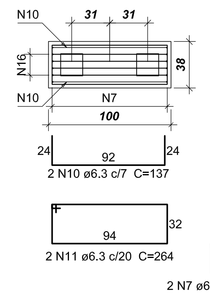


Corte
ESC 1:25

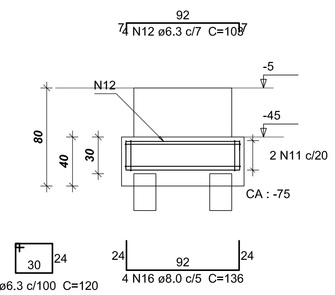


B7=B20
2 est. 18x18

Planta
ESC 1:25

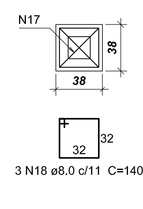


Corte
ESC 1:25

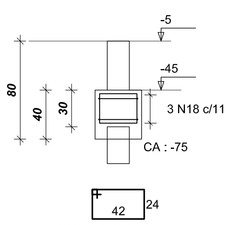


B5=B6=B8=B11=B15=B18 =B21=B22=B27=B28=B29
1 est. 18x18

Planta
ESC 1:25

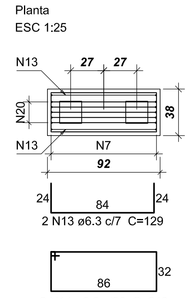


Corte
ESC 1:25

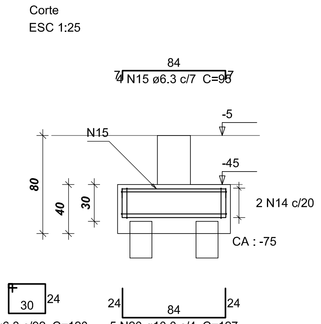


B1=B2=B3=B9=B12=B16=B17=B23=B24=B25
2 est. 18x18

Planta
ESC 1:25



Corte
ESC 1:25



Relação do aço dos Blocos

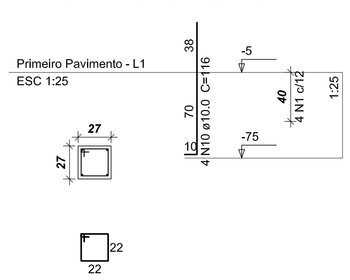
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	12	VAR	VAR
	2	6.3	14	VAR	VAR
	3	6.3	6	382	2292
	4	6.3	14	VAR	VAR
	5	6.3	12	VAR	VAR
	6	6.3	8	139	1112
	7	6.3	32	120	3840
	8	6.3	8	268	2144
	9	6.3	16	105	1680
	10	6.3	4	137	548
	11	6.3	4	264	1056
	12	6.3	8	103	824
	13	6.3	20	129	2580
	14	6.3	20	248	4960
	15	6.3	40	95	3800
	16	8.0	8	136	1088
	17	8.0	22	144	3168
	18	8.0	33	140	4620
	19	10.0	16	137	2192
	20	10.0	50	127	6350
	21	12.5	24	186	4464

Resumo do aço

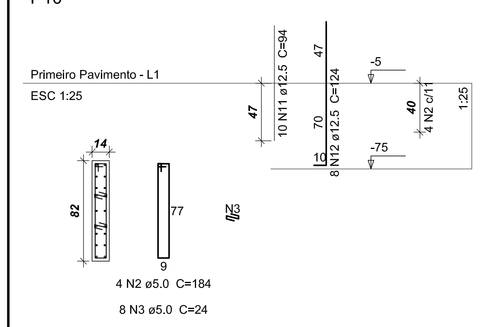
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6,3	323.4	79.1
	8.0	88.8	35
	10.0	85.5	52.7
	12,5	44,7	43
PESO TOTAL			
CA50	209.8		

Vol. de concreto total (C-20) = 3.95 m³
Área de forma total = 28.44 m²

P1=P2=P3=P12=P23=P24=P25



P10



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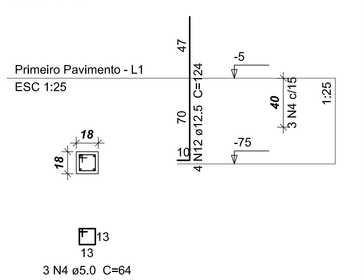

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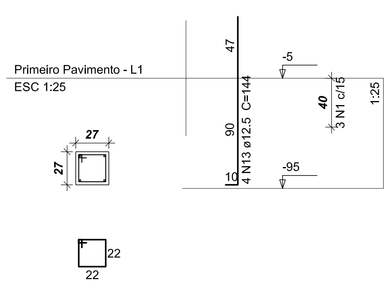
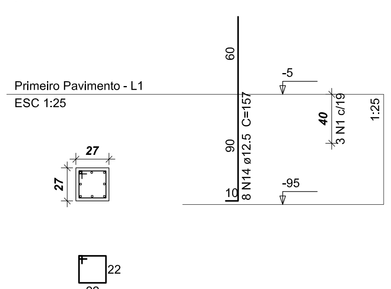
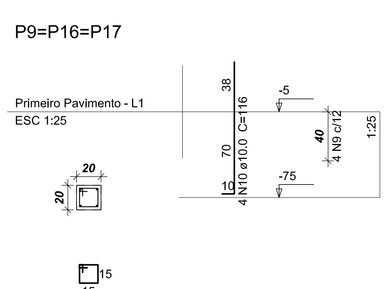


P14



P9=P16=P17



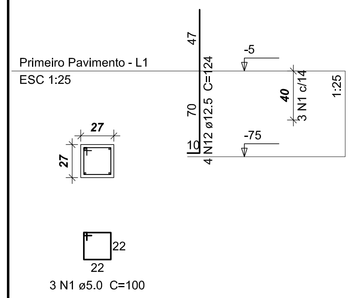
Relação do aço dos Pilares

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	37	100	3700
	2	5.0	16	184	2944
	3	5.0	24	24	576
	4	5.0	10	64	640
	5	5.0	24	24	576
	6	5.0	12	60	720
	7	5.0	12	80	960
	8	5.0	8	180	1440
	9	5.0	12	72	864
CA50	10	10.0	80	116	9280
	11	12.5	24	94	2256
	12	12.5	58	124	7192
	13	12.5	4	144	576
	14	12.5	8	157	1256

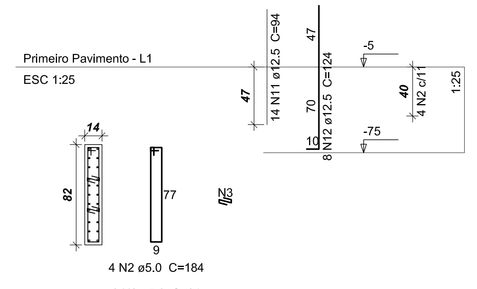
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	92.8	57.2
	12.5	112.8	108.7
CA60	5.0	124.2	19.1
PESO TOTAL			
CA50	165.9		
CA60	19.1		

P18



P19



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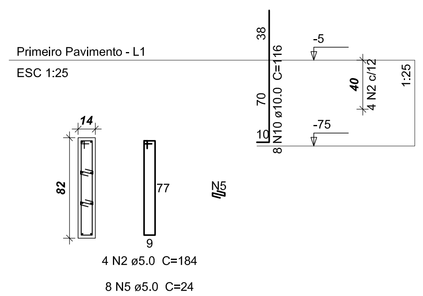

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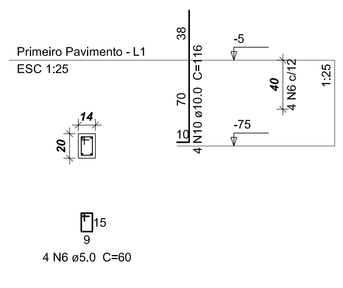

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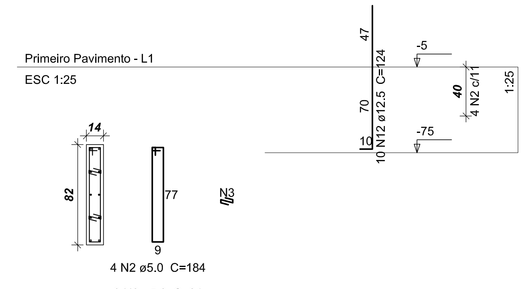

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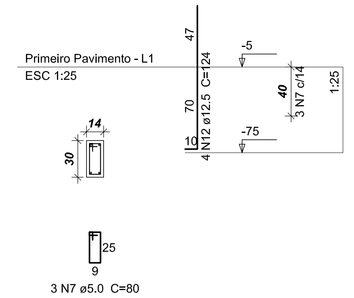
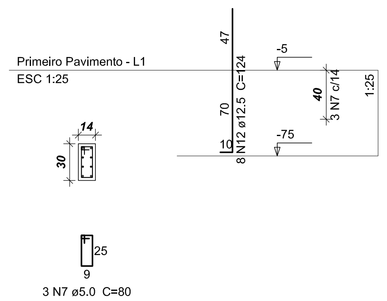


P6



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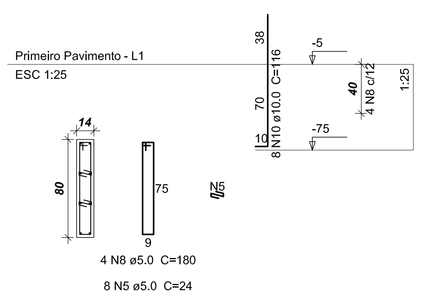
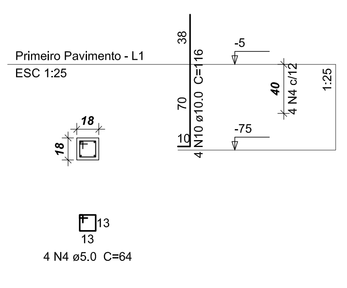


P8



AS BUILT PROJETOS
Rua Jovino do Rosário, 1564 – Boa Vista
CEP 82560-435 – Curitiba – Paraná

OBRA:	CITEC – CAMPUS DIAMANTINA
PROPRIETÁRIO:	UNIVERSIDADE DOS VALES DO JEQUITINHONHA E MUCURI – UFVJM
ENDEREÇO:	RODOVIA MGT 367 – Km 583, Nº5000, ALTO DA JACUBA – DIAMANTINA/MG
PROJETO ESTRUTURAL	PRANCHA: EST 02 / 13
REFERÊNCIA:	FERRAGEM DOS BLOCOS ESPERAS DOS PILARES
AUTOR DO PROJETO:	ENG. CIVIL CARLOS HENRIQUE DE S. GONÇALVES CREA: 7.982-D/PR
ARQUIVO:	
DESENHO:	CARLOS
DATA:	14/10/2012
ESCALA:	INDICADA