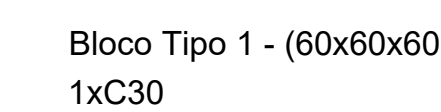


ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
23xP1	CA60	1	5,0	568	71	42454
	CA60	2	10,0	92	307	28514
3xP17	CA60	1	5,0	78	71	5538
	CA60	2	5,0	78	71	5538
	CA60	3	10,0	18	307	5529
P22	CA60	1	5,0	26	71	1846
	CA60	2	10,0	8	307	2454
2xP27	CA60	1	5,0	52	21	1060
	CA60	2	5,0	52	21	1060
	CA60	3	10,0	20	307	3660
2xP29	CA60	1	5,0	52	71	3660
	CA60	2	10,0	24	307	7384
	CA60	1	5,0	12	47	564
3xP32	CA60	2	10,0	12	275	3300

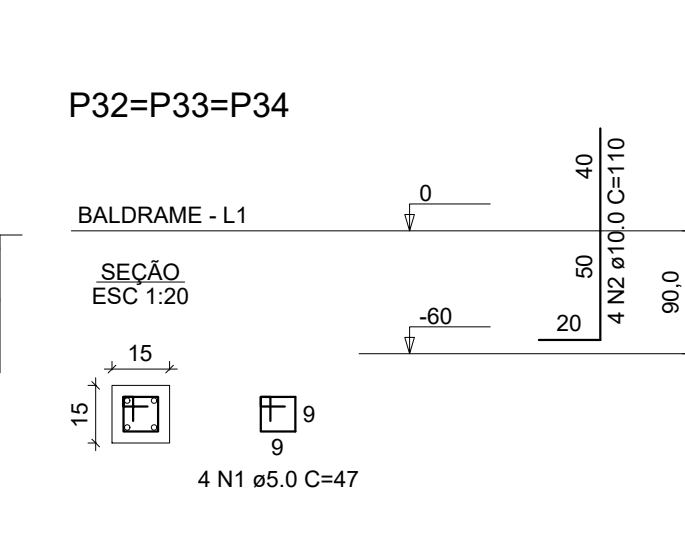
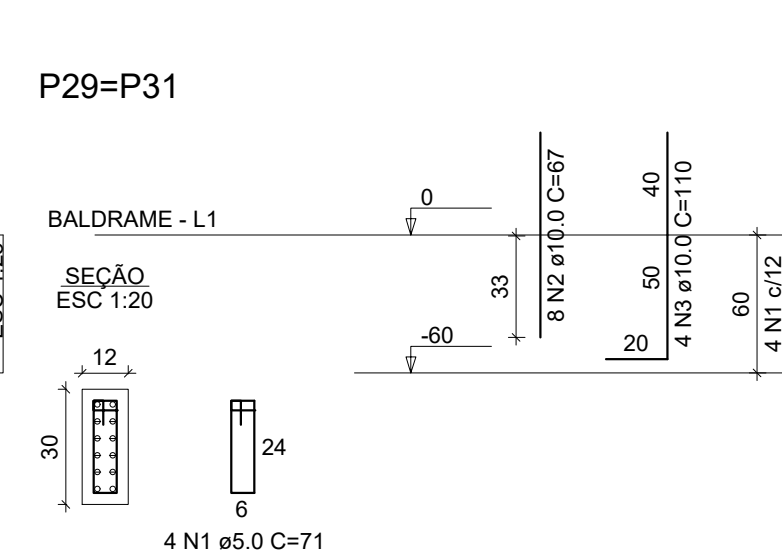
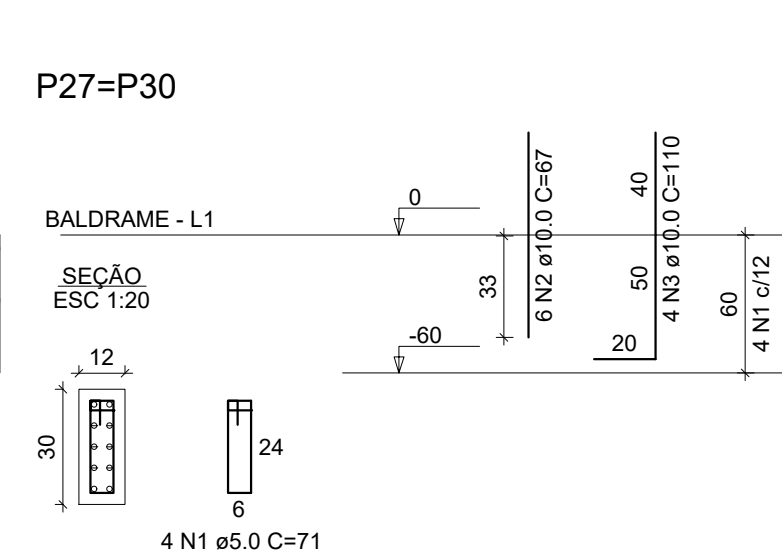
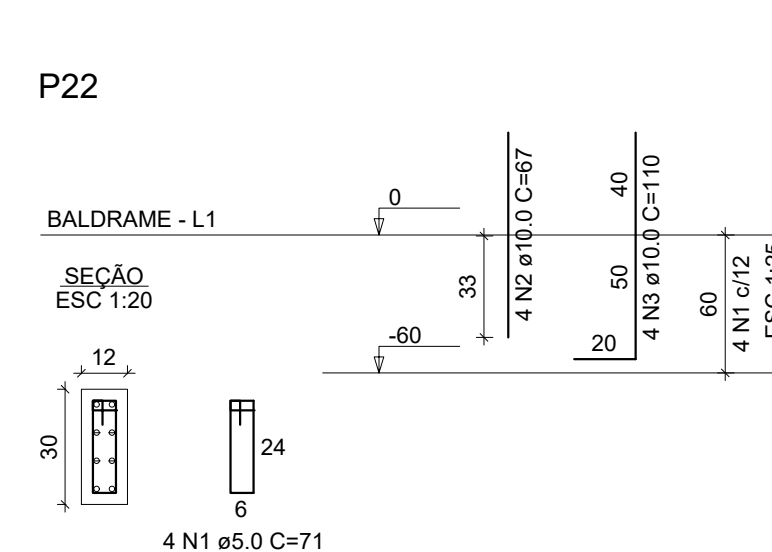
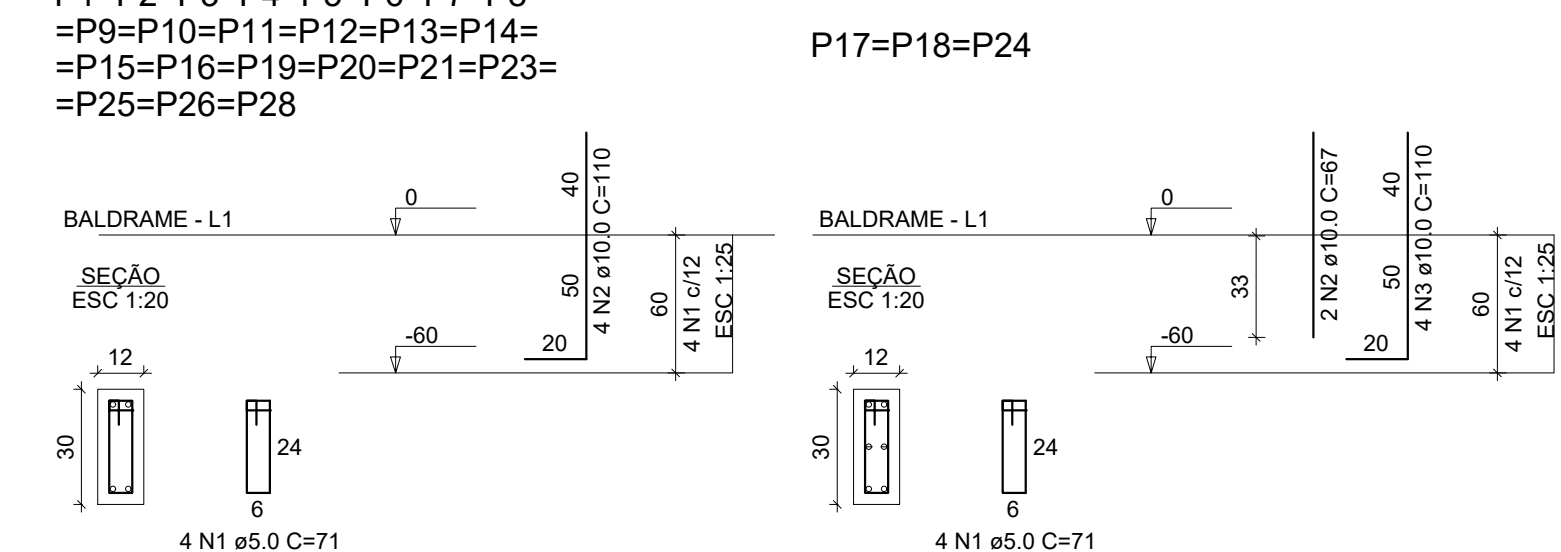
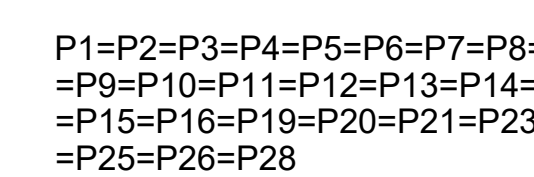
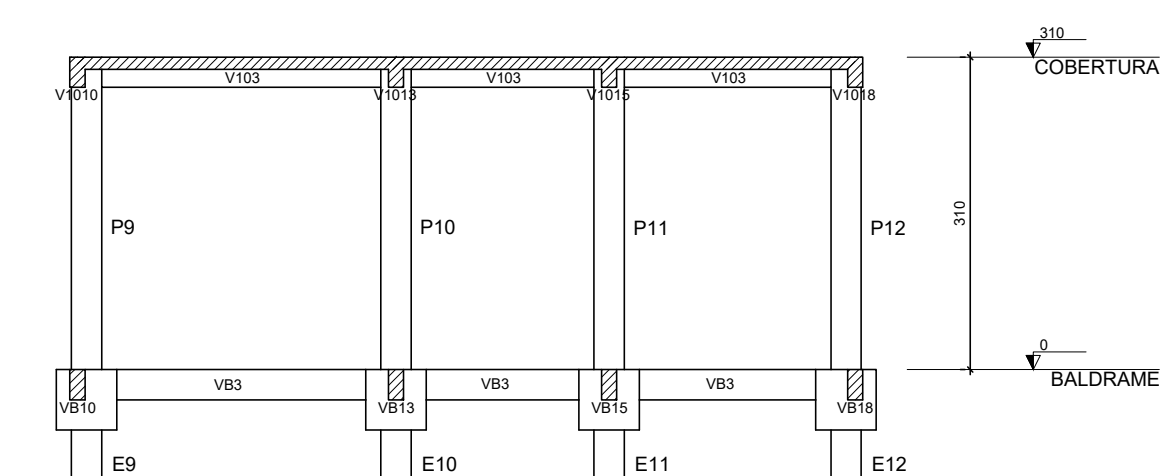
AÇO	DIAM (mm)	C. TOTAL (m)
CA50	10.0	517.1
CA60	5.0	599.6
<b>PESO TOTAL (kg)</b>		
CA50	319.1	
CA60	62.3	

Volume de concreto (C-30) = 3,66 m<sup>3</sup>



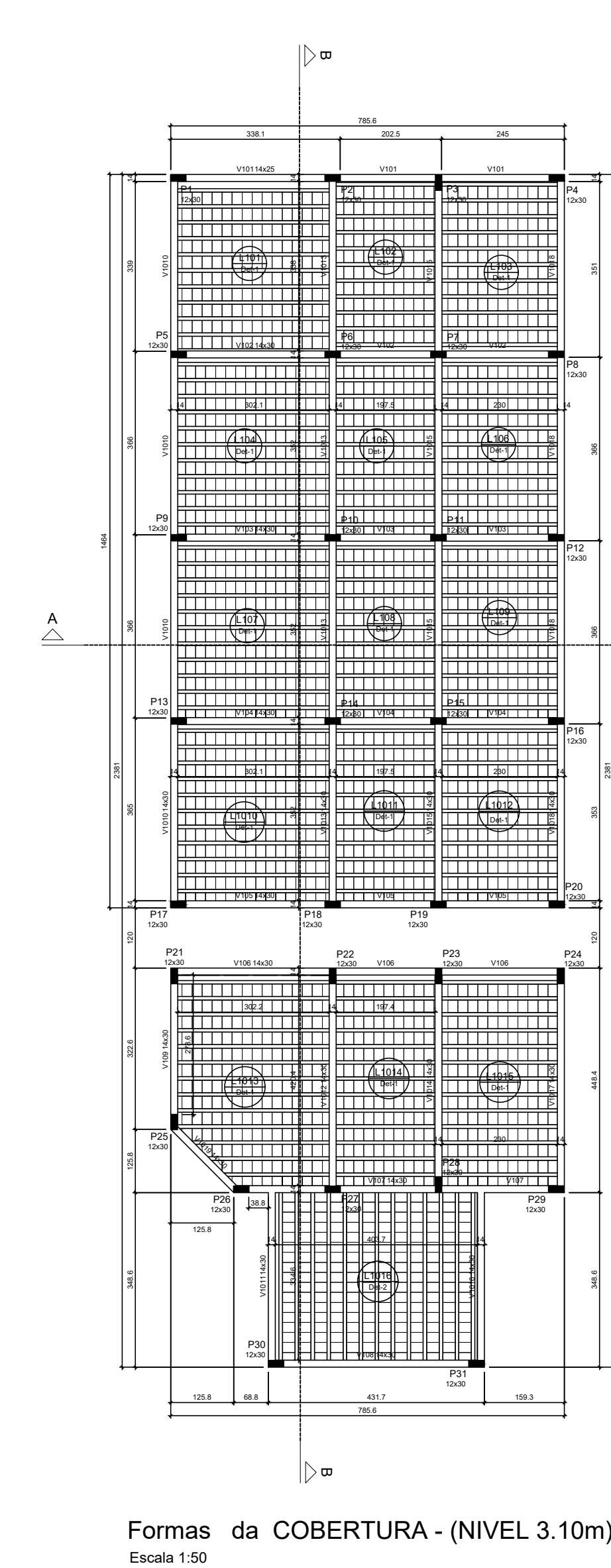
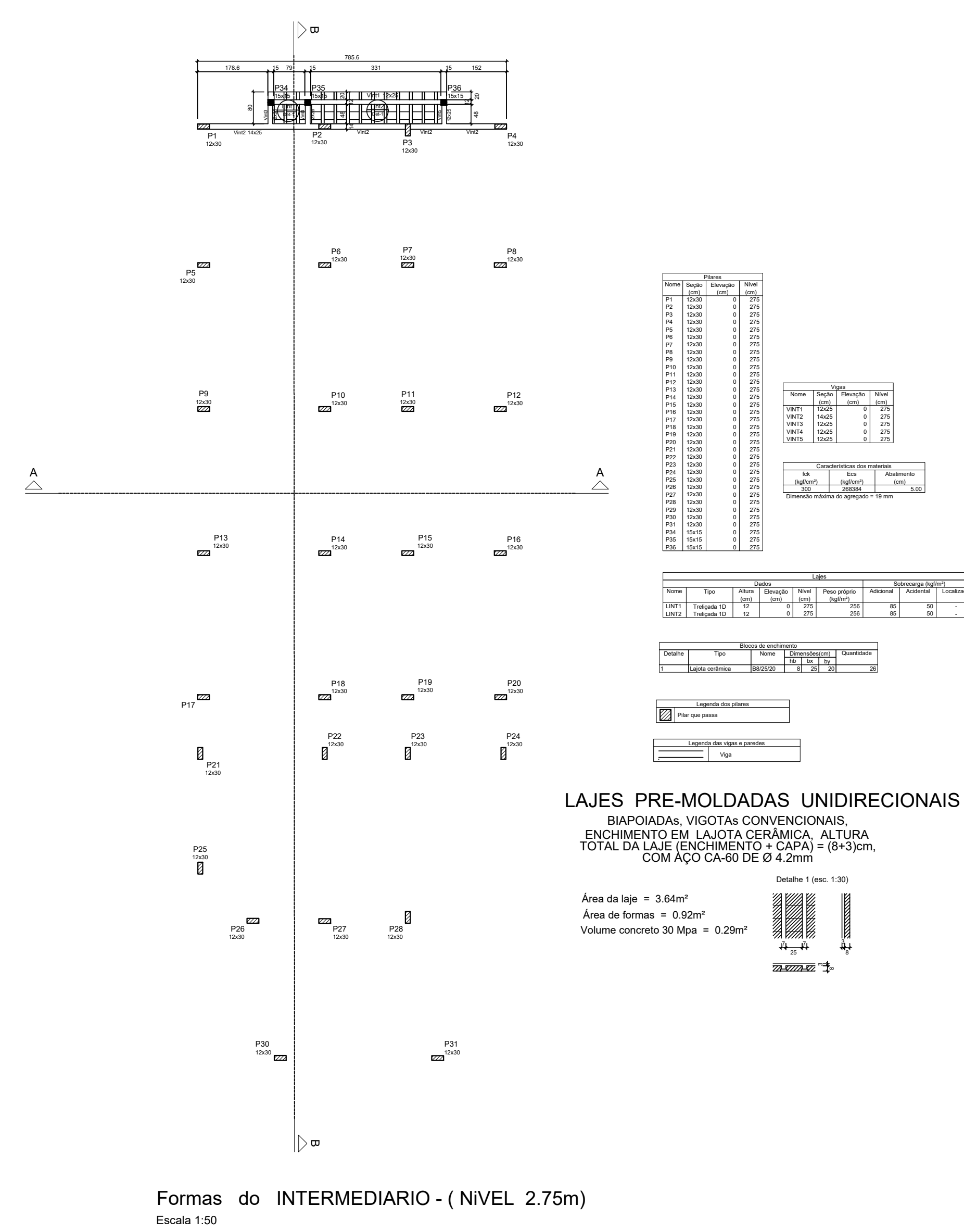
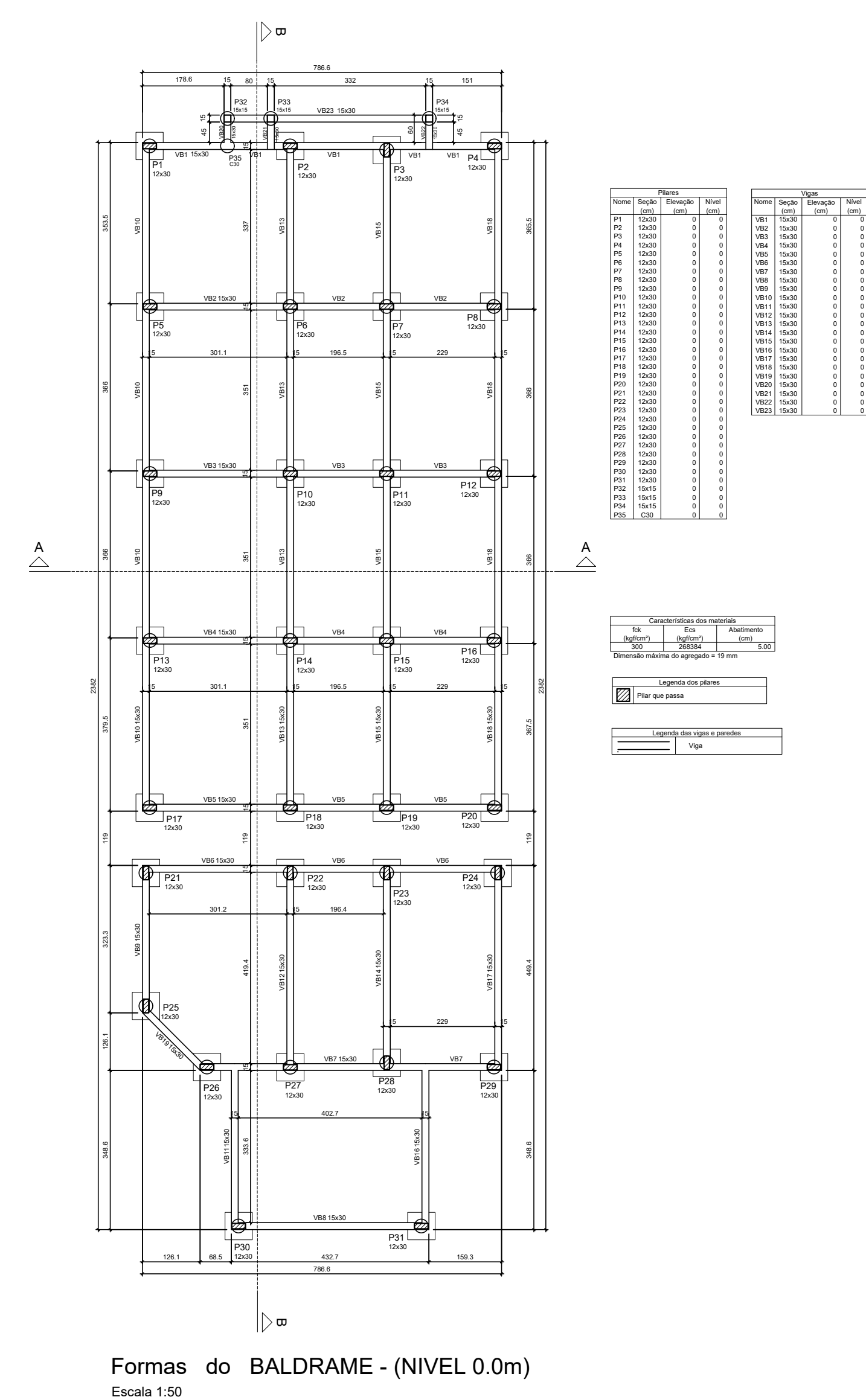
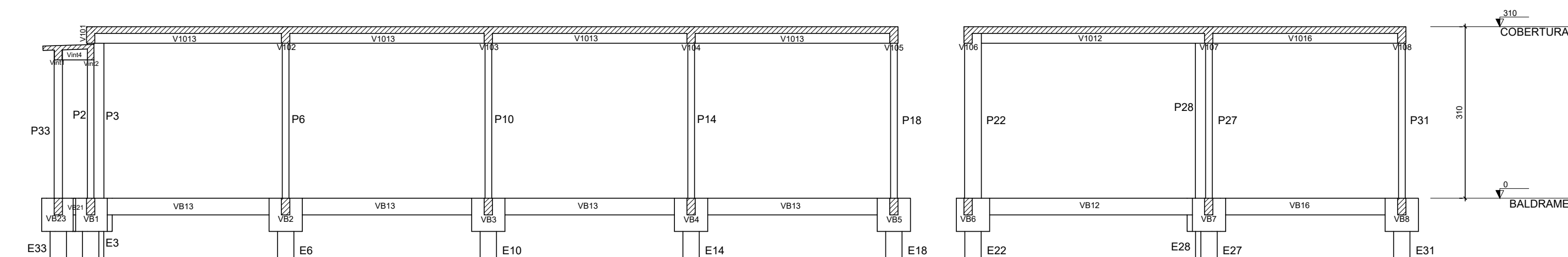
RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
Bloco-1					
CA60	1	5.0	155	214	33170
CA50	2	8.0	310	224	69440

AÇO	D6mm (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	694.4	274.3
CA60	5.0	331.7	51.1
PESO TOTAL (kg)			
CA50			274.3
CA60			51.1



RELAÇÃO DO AÇO						
ELEMENTO	ADO	N	(DIAM	QUANT	C.UNIT	C.TOTAL
			(mm)		(m²)	(ton)
23aP1	CABO	1	5,0	69	71	1633
	CABO	2	10,0	82	130	10120
3aP17	CABO	1	5,0	12	71	885
	CABO	2	10,0	12	67	842
	CABO	3	10,0	12	130	1680
P22	CABO	2	10,0	4	71	284
	CABO	2	10,0	10	130	960
	CABO	3	10,0	4	130	440
2aP27	CABO	1	5,0	12	71	885
	CABO	2	10,0	12	67	842
	CABO	3	10,0	8	130	880
2aP28	CABO	1	5,0	12	71	885
	CABO	2	10,0	18	67	1077
	CABO	3	10,0	8	130	880
3aP32	CABO	1	5,0	12	71	885
	CABO	2	10,0	12	130	1680

RESUMO DO AÇO		
AÇO	DIAM (mm)	C. TOTAL (m)
CASO	12.0	175.1
CAÇO	5.0	88.
PESO TOTAL (kg)		
CASO	108.0	
CAÇO	13.8	



LRI									
Year	Sex	Male	Female	Age-standardized Rate (95% CI)	Rate Ratio (95% CI)	Relative Increase	Relative Decrease	Attributable Proportion	Attributable Cases
1980	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
1980	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
1985	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
1990	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
1995	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
2000	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
2005	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
2010	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
2015	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	Male	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
2020	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Attributable Proportion				Attributable Cases			
Year	Sex	Male	Female	Year	Sex	Male	Female
1980	Male	0.0	0.0	1980	Male	0.0	0.0
1980	Female	0.0	0.0	1980	Female	0.0	0.0
1985	Male	0.0	0.0	1985	Male	0.0	0.0
1985	Female	0.0	0.0	1985	Female	0.0	0.0
1990	Male	0.0	0.0	1990	Male	0.0	0.0
1990	Female	0.0	0.0	1990	Female	0.0	0.0
1995	Male	0.0	0.0	1995	Male	0.0	0.0
1995	Female	0.0	0.0	1995	Female	0.0	0.0
2000	Male	0.0	0.0	2000	Male	0.0	0.0
2000	Female	0.0	0.0	2000	Female	0.0	0.0
2005	Male	0.0	0.0	2005	Male	0.0	0.0
2005	Female	0.0	0.0	2005	Female	0.0	0.0
2010	Male	0.0	0.0	2010	Male	0.0	0.0
2010	Female	0.0	0.0	2010	Female	0.0	0.0
2015	Male	0.0	0.0	2015	Male	0.0	0.0
2015	Female	0.0	0.0	2015	Female	0.0	0.0
2020	Male	0.0	0.0	2020	Male	0.0	0.0
2020	Female	0.0	0.0	2020	Female	0.0	0.0

Attributable Proportion				Attributable Cases			
Year	Sex	Male	Female	Year	Sex	Male	Female
1980	Male	0.0	0.0	1980	Male	0.0	0.0
1980	Female	0.0	0.0	1980	Female	0.0	0.0
1985	Male	0.0	0.0	1985	Male	0.0	0.0
1985	Female	0.0	0.0	1985	Female	0.0	0.0
1990	Male	0.0	0.0	1990	Male	0.0	0.0
1990	Female	0.0	0.0	1990	Female	0.0	0.0
1995	Male	0.0	0.0	1995	Male	0.0	0.0
1995	Female	0.0	0.0	1995	Female	0.0	0.0
2000	Male	0.0	0.0	2000	Male	0.0	0.0
2000	Female	0.0	0.0	2000	Female	0.0	0.0
2005	Male	0.0	0.0	2005	Male	0.0	0.0
2005	Female	0.0	0.0	2005	Female	0.0	0.0
2010	Male	0.0	0.0	2010	Male	0.0	0.0
2010	Female	0.0	0.0	2010	Female	0.0	0.0
2015	Male	0.0	0.0	2015	Male	0.0	0.0
2015	Female	0.0	0.0	2015	Female	0.0	0.0
2020	Male	0.0	0.0	2020	Male	0.0	0.0
2020	Female	0.0	0.0	2020	Female	0.0	0.0

### LAJES PRÉ-MOLDADAS UNIDIRECIONAIS

BIAPLADAS, VIGOTAS CONVENCIONAIS.

ENCHIMENTO EM LAJOTA FRATILADA, ALTURA TOTAL DA LAJE (ENCHIMENTO+CAPA) = (6+3)cm, COM AÇO CA-60 DE Ø 2mm

Detalhe 1 (esc. 1:30)

Detalhe 2 (esc. 1:30)

Área da laje = 163,70m²  
 Área de formas = 10,70m²  
 Volume concreto 30 Mpa = 13,10m³

04					
03					
02					
01					
REV	MODIFICAÇÃO		DATA	DESIGNAÇÃO	RESPONSÁVEL
SETOR: NÚCLEO BANDEIRANTE - RA VII ENDEREÇO: PRAÇA CENTRAL PROJEÇÃO 10 PROPRIETÁRIO: ADMINISTRAÇÃO REGIONAL DO NÚCLEO BANDEIRANTE AUTOR DO PROJETO: ENG. CIVIL - TUBÍRCIO JOSE SOARES MARTINS RRTIART: 0720210008457					
PROPRIETÁRIO ADMINISTRAÇÃO REGIONAL DO NÚCLEO BANDEIRANTE AUTOR DO PROJETO: ORCA 60.605.04MG RESP. TÉCNICO ORCA					
TÍTULO DO PROJETO: PROJETO EXECUTIVO DE ESTRUTURA EM CONCRETO ARMADO OBJ DO PROJETO: REFORMA E AMPLIAÇÃO DA FEIRA DO NÚCLEO BANDEIRANTE DETALHE: DETALHE GERAL DA ESTRUTURA DOS BOMBS E ABRIGOS DOS GUARDES ELÉTRICOS - PRÓXIMO AOS GALINHEIRO DATA DE ORÇAMENTO: 05/04/2022 NÚMERO DO PROJETO: 056-20-STE-PR-001-DET-GER-R00				REVISÃO (NÚMERO) - REVISÃO <div>STR 001</div> REV 00	