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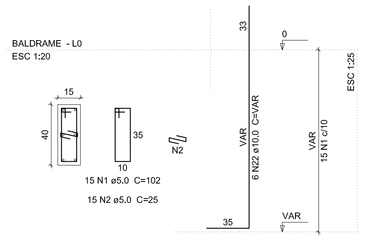

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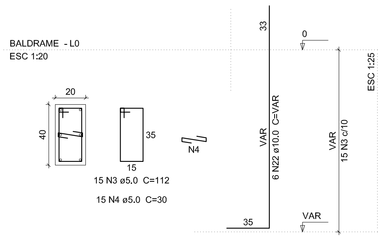

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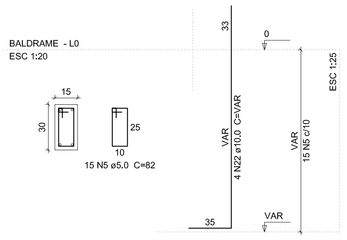

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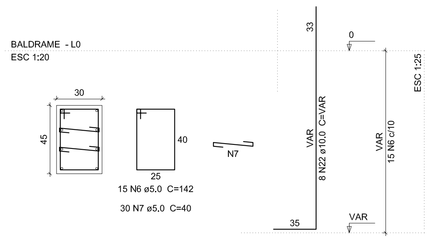

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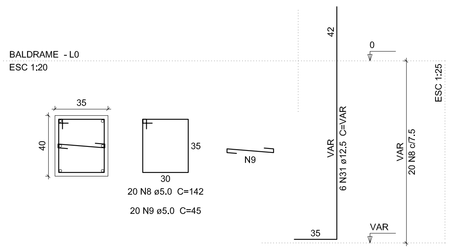

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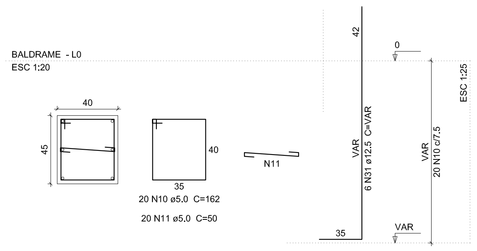

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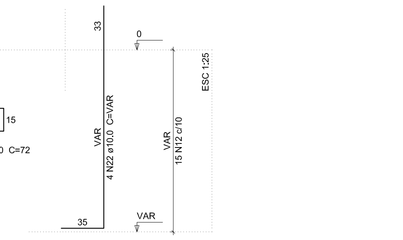

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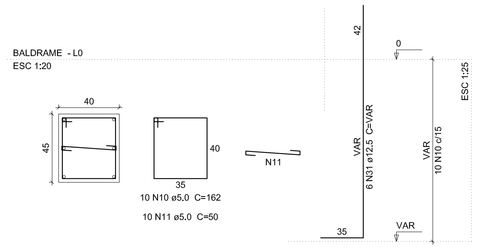

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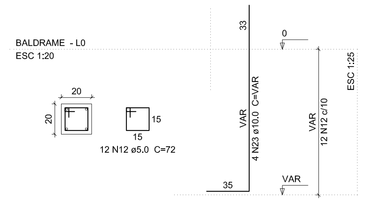

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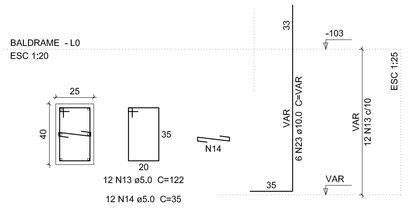

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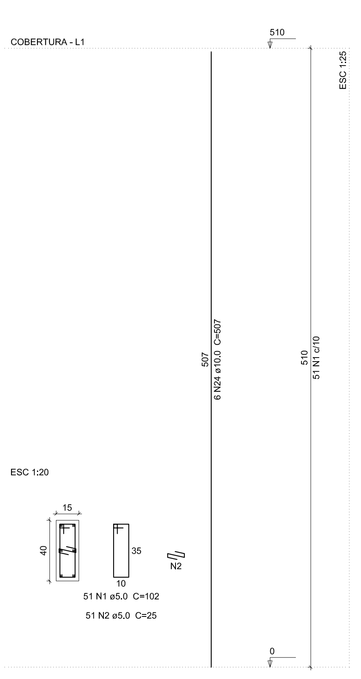

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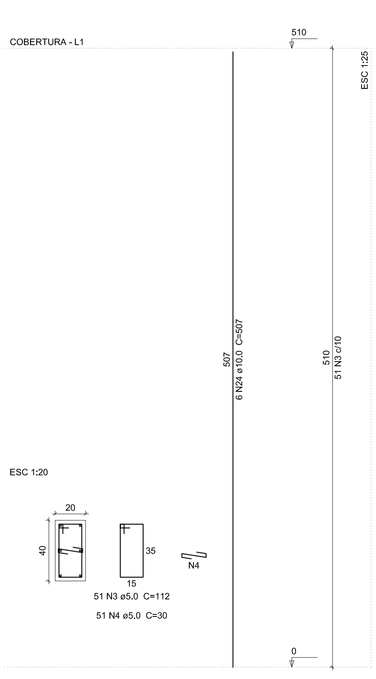

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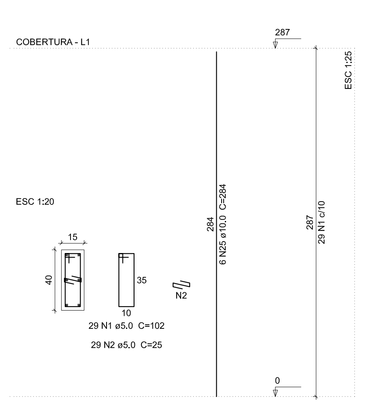
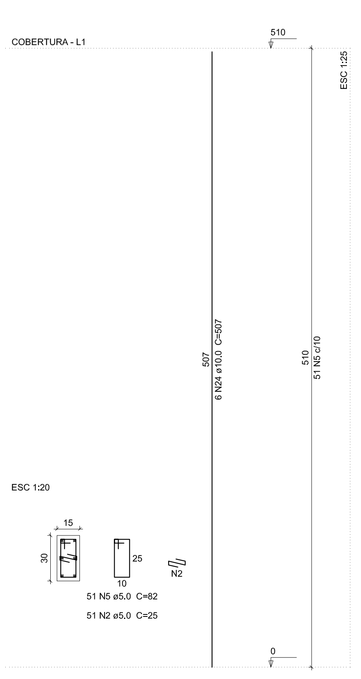


P7



Relação do aço

BALDRAME :	26xP1	13xP2
	19xP7	2xP8
	P9	2xP16
	23xP17	P20
	P27	3xP51
COBERTURA:	P1	5xP2
	4xP5	P7
	P6	8xP10
	P14	7xP17
	4xP18	2xP20
	P25	P31
	20xP40	2xP41
	4xP43	5xP44
	P45	8xP46

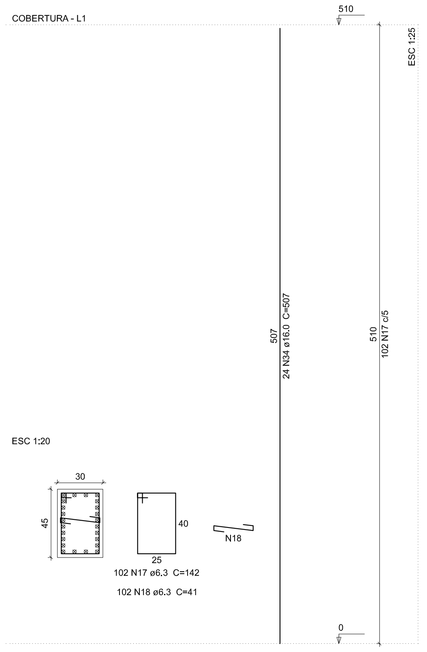
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1268	102	129336
	2	5.0	1319	25	32975
	3	5.0	660	112	73920
	4	5.0	562	30	17460
	5	5.0	952	82	78064
	6	5.0	30	142	4260
	7	5.0	60	40	2400
	8	5.0	20	142	2840
	9	5.0	20	45	900
	10	5.0	50	162	8100
	11	5.0	50	50	2500
	12	5.0	717	72	51624
	13	5.0	36	122	4392
	14	5.0	36	35	1260
	15	5.0	34	30	1020
	16	5.0	44	30	1320
CA50	17	6.3	102	142	14484
	18	6.3	102	41	4182
	19	8.0	204	162	33048
	20	8.0	204	58	11832
	21	8.0	204	53	10812
	22	10.0	418	VAR	VAR
	23	10.0	22	VAR	VAR
	24	10.0	52	507	26364
	25	10.0	56	284	15904
	26	10.0	28	247	6916
	27	10.0	16	442	7072
	28	10.0	164	327	53628
	29	10.0	4	387	1548
	30	10.0	32	207	6624
	31	12.5	24	VAR	VAR
	32	12.5	4	247	988
	33	12.5	32	327	10464
	34	16.0	98	507	49686

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6,3	186,7	50,2
	8,0	557	241,7
	10,0	2124,4	1440,7
	12,5	168,3	178,3
	16,0	496,9	862,6
CA60	5,0	4123,8	699,2
PESO TOTAL			
CA50	2773,6		
CA60	699,2		

Vol. de concreto total (C-30) = 24,67 m³
Área de forma total = 410,58 m²

P8



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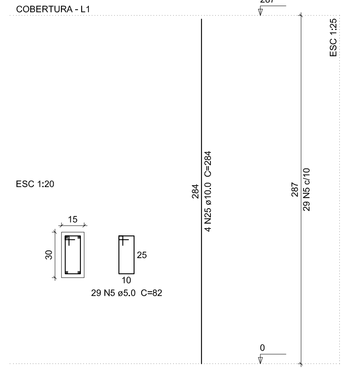

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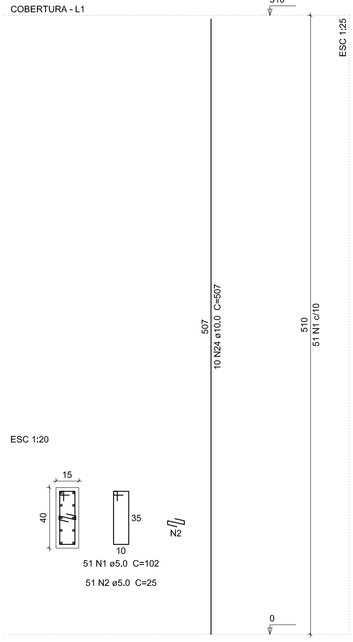

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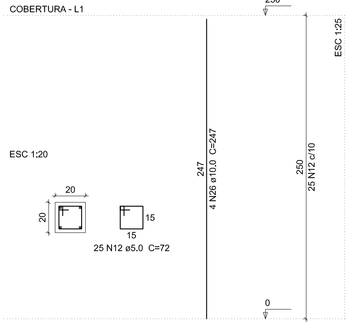

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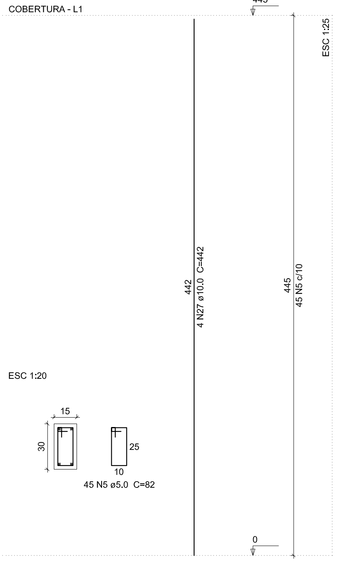

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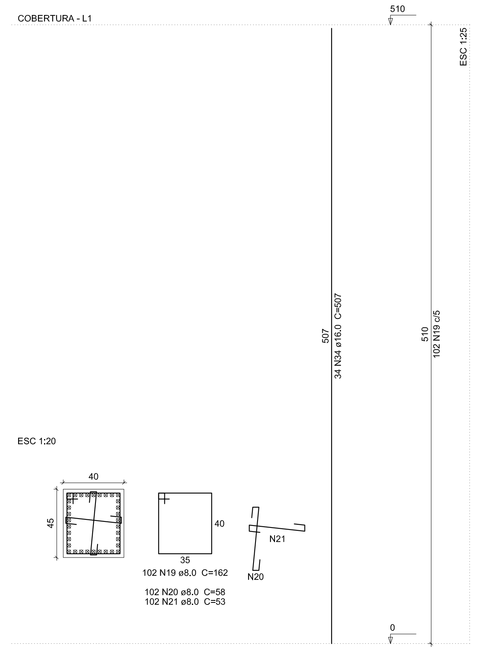

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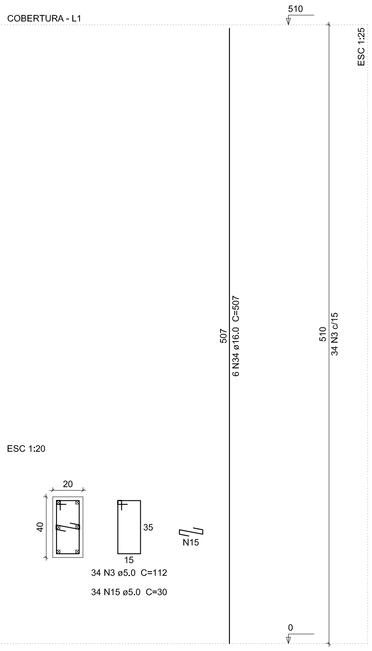

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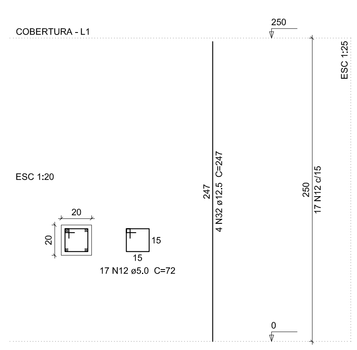

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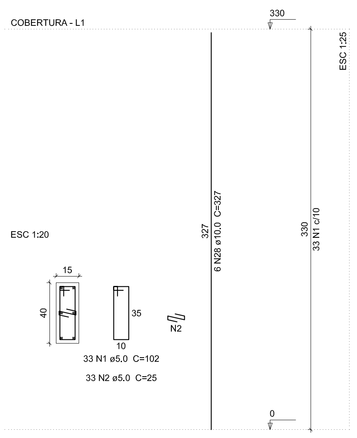
=P71=P72=P74=P76=P78=P79=P80=P81=P82
=P83



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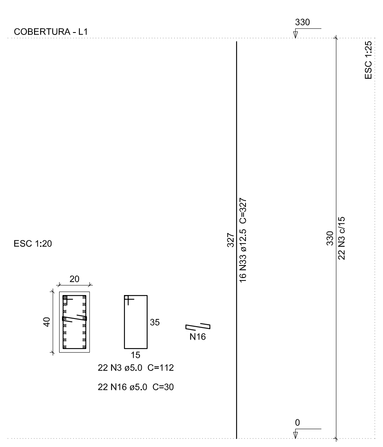

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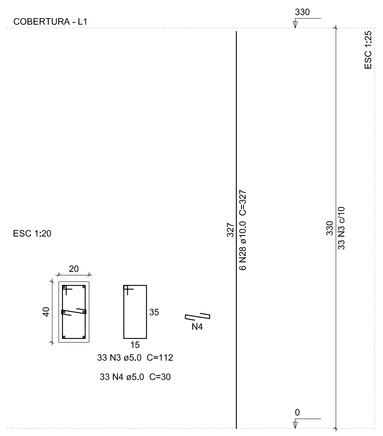

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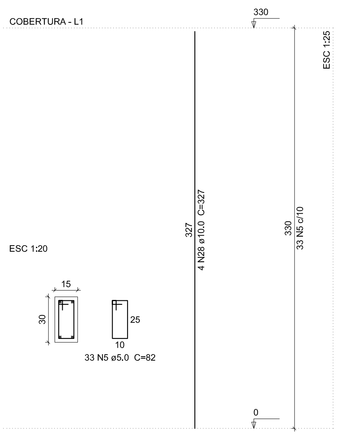

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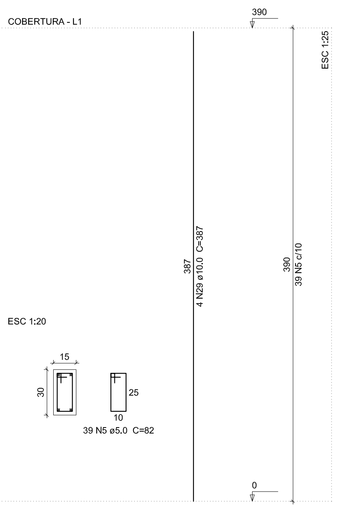

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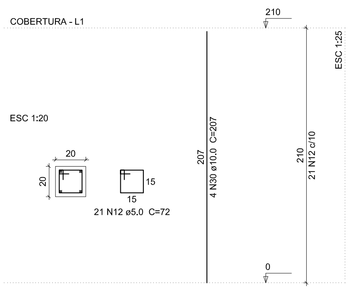

GOVERNO DO ESTADO DO PIAUÍ

SEDUC - SECRETARIA DE ESTADO DA EDUCAÇÃO

DEPARTAMENTO: GERÊNCIA DE ARQUITETURA E ENGENHARIA

DESENHO: EST1

TÍTULO DO PROJETO: PROJETO DE CONSTRUÇÃO - UE MARTIN PINHEIRO

ENDEREÇO DO SERVIÇO: Rua Simão Borges, S/N, Centro

PRANCHA: 01/02

TÍTULO DO DESENHO: DETALHAMENTO DE PILARES

ARQUITETO(A):

MUNICÍPIO: Palmeira do Piauí-PI

ZONA: URBANA

DESENHO:

ESCALA: INDICADA

FASE: PROJETO BÁSICO

DATA: DATA REV.ATUAL

REVISÃO: 01