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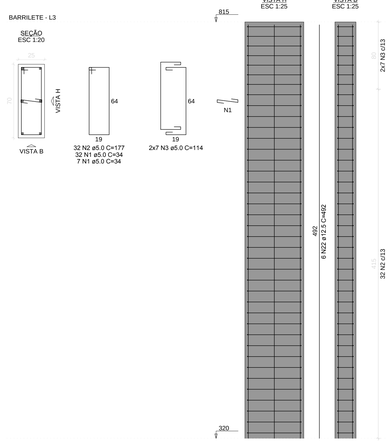

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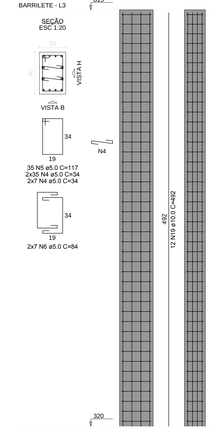

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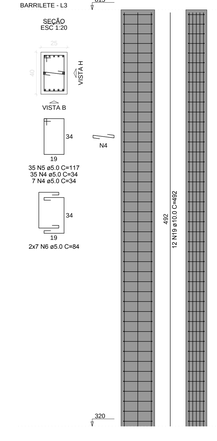

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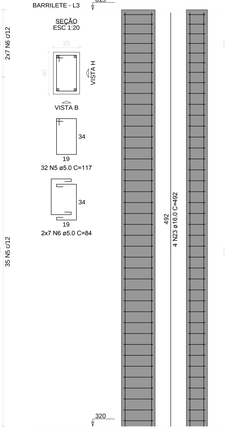

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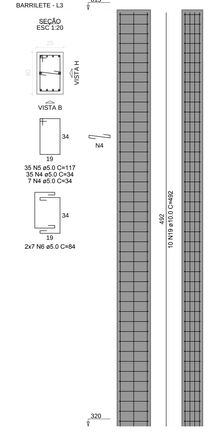

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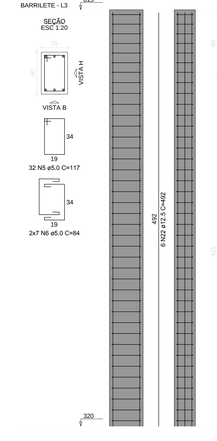

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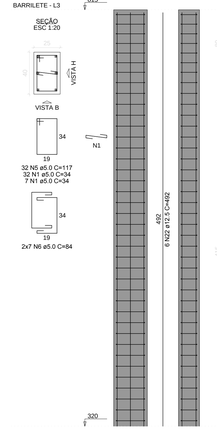

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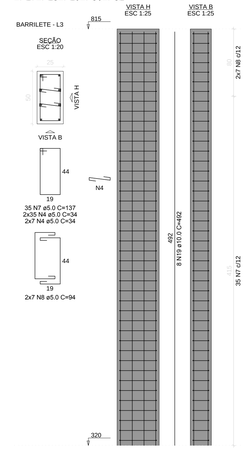

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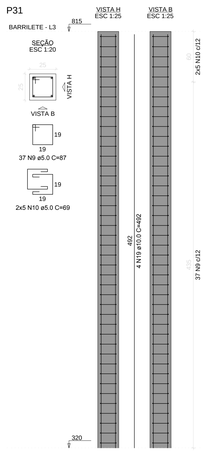

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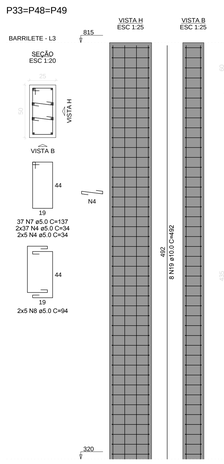

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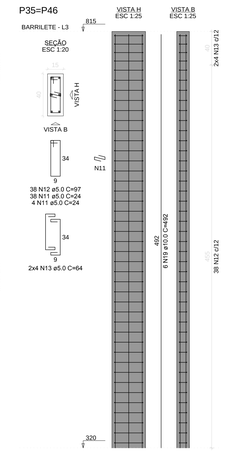

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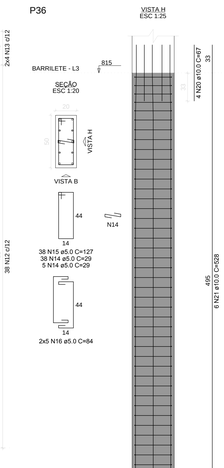

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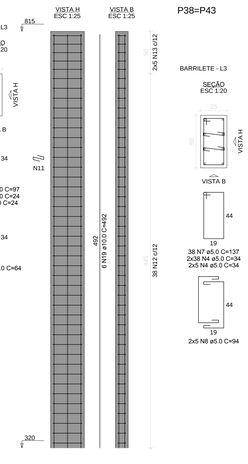

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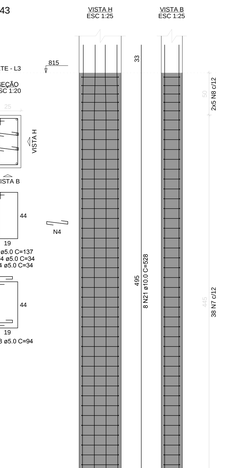

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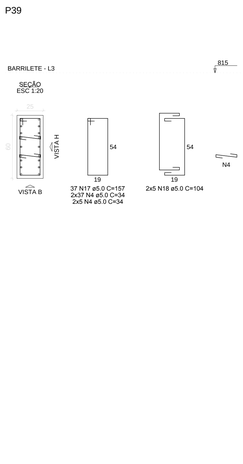

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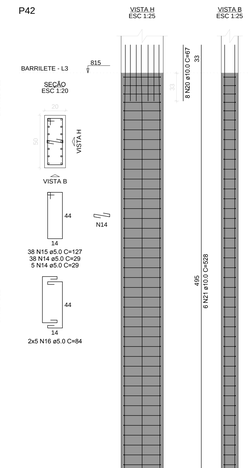

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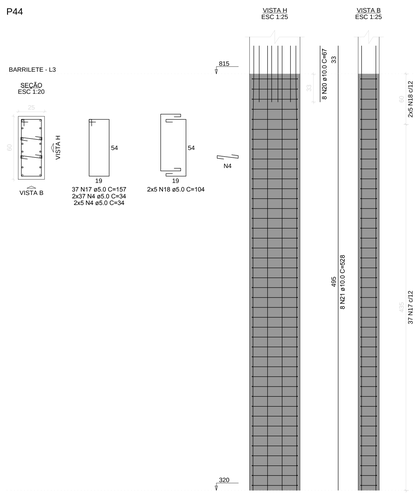

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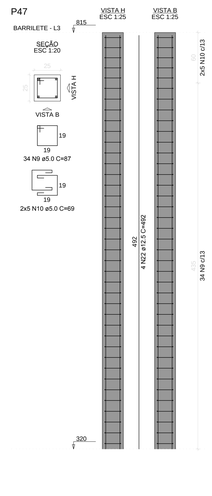

RELAÇÃO DO AÇO

10xP1	P11	2xP12
2xP14	2xP15	2xP16
P20	11xP21	P31
3xP33	2xP35	P36
2xP37	2xP38	P39
P42	P44	P47

AÇO	N	DIAM. (mm)	QUANT.	C. UNIT. (cm)	C.TOTAL (cm)
CA60	1	5.0	420	56	23520
	2	5.0	1020	117	119340
	3	5.0	1140	134	152760
	4	5.0	1768	34	60112
	5	5.0	1127	117	131859
	6	5.0	1451	64	92864
	7	5.0	2574	64	164736
	8	5.0	204	64	13056
	9	5.0	74	64	4736
	10	5.0	26	68	1768
	11	5.0	170	64	10880
	12	5.0	152	97	14744
	13	5.0	36	64	2304
	14	5.0	36	73	2628
	15	5.0	74	64	4736
	16	5.0	26	64	1664
	17	5.0	74	64	4736
	18	5.0	196	104	20384
CA50	19	16.0	196	492	96432
	20	10.0	44	67	2948
	21	10.0	44	628	27632
	22	12.5	8	492	3936
	23	16.0	8	492	3936

RESUMO DO AÇO

AÇO	DIAM. (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	1016.7	626.7
	12.5	403.4	388.9
	16.0	39.4	62.2
CA60	5.0	3520	540.1

PESO TOTAL (kg)

CA50	1203.4
CA60	540.1

Volume de concreto (C-30) = 27.79 m³
Área de forma = 339.57 m²

Notas:
01 NBR6118:2014 – Classe de Agressividade Ambiental = II (estrutura revestida).
02 NBR6118:2014 – Concreto com fck=30MPa – Aço CA-50.
03 NBR6118:2014 – Cobrimentos fixados nas respectivas plantas de detalhes de armações. Controle rigoroso das formas.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro; níveis em metro.

ENGEDER
ENGENHARIA E ARQUITETURA
Avenida Atlântico, 80 – Itapirubá – Imbituba/SC – fone: (48)3255-3163

OBRA: PRÉDIO MEDICINA – C. TEÓFILO OTONI
PROPRIETÁRIO: UFVJM – MG

AUTOR: MAICON M. MORAIS–CREA/SC 129409-0
ESCALA: INDICADA
DESENHO: MAICON
PRANCHA: 29/41
DATA: Setembro/2018

RESP. TÉCNICO: Eng. Maicon M. Morais –CREA/SC 129409-0

CONTEÚDO: Armação pilares barriete (nível 320 ao 815).
Nº DESENHO: UFV-ENG-EST-PE-029
AREA: 1551,00 m²