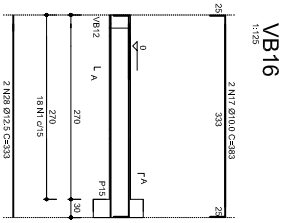
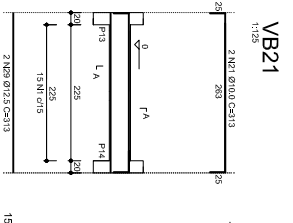


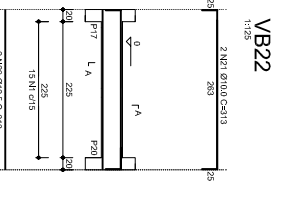
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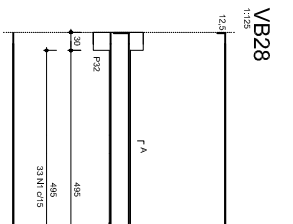
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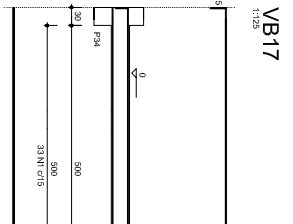
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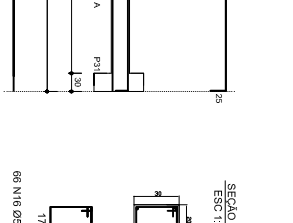
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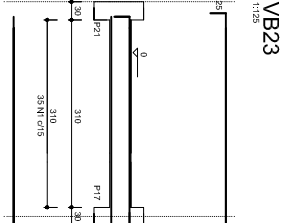
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73 NI Ø5.0 C=109



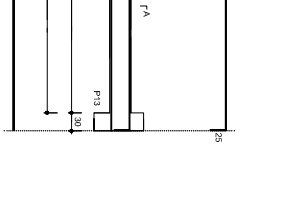
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SEÇÃO AA
ESC: 1:50
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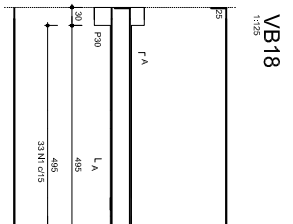
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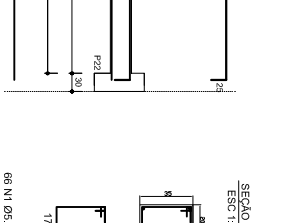
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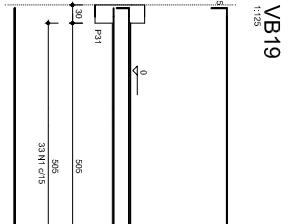
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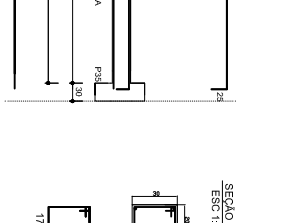
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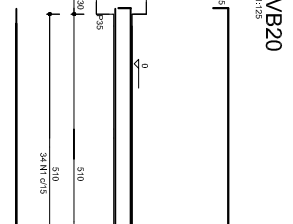
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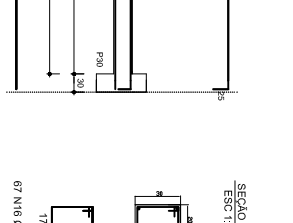
SEÇÃO AA
ESC: 1:50
67 NI Ø5.0 C=99



SEÇÃO AA
ESC: 1:50
57 NI Ø5.0 C=109



SEÇÃO AA
ESC: 1:50
67 NI Ø5.0 C=99



SEÇÃO AA
ESC: 1:50
57 NI Ø5.0 C=109

RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT	C.TOTAL
CA80	1	5.0	315	108	3414.4
	17	10.0	200	92	1880.0
	17	10.0	1115	92	2230
	17	10.0	383	4	1532
	18	10.0	1133	2	2266
	19	10.0	900	2	1800
	20	10.0	1130	4	4520
	21	10.0	313	4	1252
	22	10.0	358	2	716
	24	10.0	583	2	1166
	25	10.0	1003	2	2006
	26	10.0	1083	2	2166
	27	10.0	1080	4	4320
	14	12.5	1083	2	2130
	16	12.5	313	4	1252
	20	12.5	850	2	1700
	31	12.5	328	2	656
	32	12.5	308	2	616
	33	12.5	533	2	1066
	34	12.5	552	2	1104
	35	12.5	1178	2	2350

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	247.30	152.98
CA60	12.5	130.08	129.27
CA60	5.0	542.24	83.54
PESO TOTAL			365.79
CA50			
CA60			

Vol. concreto (C=25Mpa) = m³
 Área de forma total = m²

OBRA/LOCAL: Centro Municipal de Eventos
 Rua Crispim Teixeira Sobrinho, S/Nº, Coxilha-RS
 TÍTULO: Projeto Estrutural
 DESCRIÇÃO: Vigas Baldrames

PROPRIETÁRIO: ILDO JOSÉ ORTI
 PREFEITO MUNICIPAL
 RESPONSÁVEL TÉCNICO: MARCOS ANDRÉ MIOZZO ZAVODNIK
 Eng. Civil CREMERS 157692
 ESCALA: INDICADA
 DATA: ABRIL/2019
 FRANCHA Nº: EST 05/09