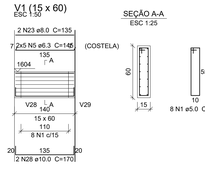
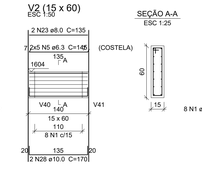


SEÇÃO A-A
ESC 1:25



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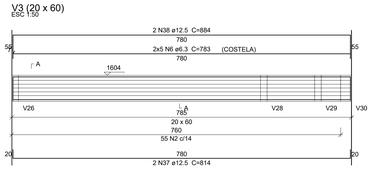
ESC 1:25



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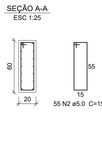
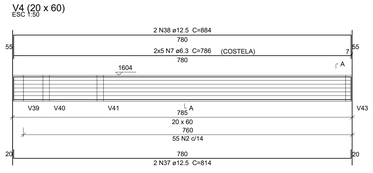
ESC 1:25





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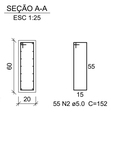
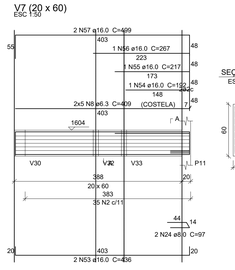
ESC 1:25





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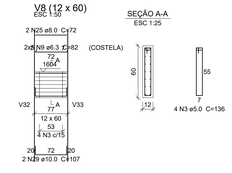

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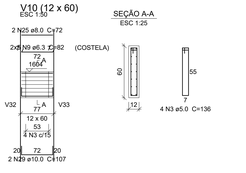


SEÇÃO A-A
ESC 1:25

Relação do aço

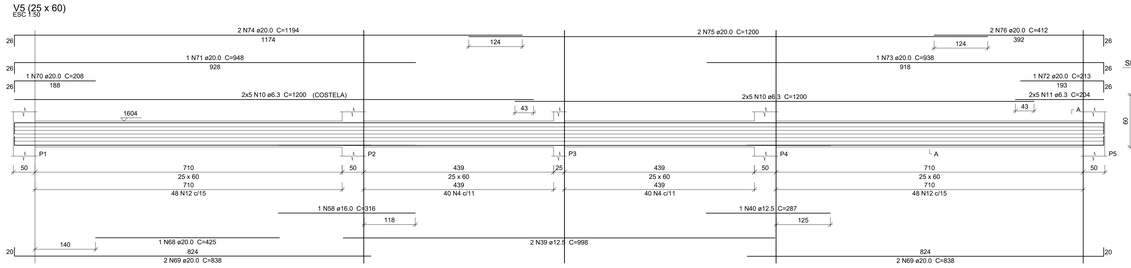
V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V25
V27	V28	V29
V31		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	144	142	20448
	2	5.0	222	152	33744
	3	5.0	15	136	2040
	4	5.0	398	162	64476
CA50	5	6.3	30	145	4350
	6	6.3	10	783	7830
	7	6.3	10	786	7860
	8	6.3	10	409	4090
	9	6.3	40	82	3280
	10	6.3	80	1200	96000
	11	6.3	40	204	8160
	12	6.3	498	162	80676
	13	6.3	20	621	12420
	14	6.3	10	775	7750
	15	6.3	10	420	4200
	16	6.3	10	778	7780
	17	6.3	20	133	2660
	18	6.3	10	998	9980
	19	6.3	20	136	2720
	20	6.3	10	630	6300
	21	6.3	20	135	2700
	22	6.3	10	296	2960
	23	8.0	6	135	810
	24	8.0	5	97	485
	25	8.0	8	72	576
	26	8.0	1	92	92
	27	8.0	2	290	580
	28	10.0	6	170	1020
	29	10.0	8	107	856
	30	10.0	2	646	1292
	31	10.0	3	168	504
	32	10.0	8	165	1320
	33	10.0	8	209	1672
	34	10.0	2	239	478
	35	10.0	4	160	640
	36	10.0	4	204	816
	37	12.5	4	814	3256
	38	12.5	4	884	3536
	39	12.5	2	998	1996
	40	12.5	1	287	287
	41	12.5	2	1063	2126
	42	12.5	2	448	896
	43	12.5	2	645	1290
	44	12.5	2	1017	2034
	45	12.5	2	1032	2064
	46	12.5	1	260	260
	47	12.5	1	335	335
	48	12.5	2	1076	2152
	49	12.5	2	479	958
	50	12.5	2	731	1462
	51	12.5	2	1036	2072
	52	12.5	2	324	648
	53	16.0	2	436	872
	54	16.0	1	192	192
	55	16.0	1	217	217
	56	16.0	1	267	267
	57	16.0	2	499	998
	58	16.0	1	316	316
	59	16.0	2	663	1326
	60	16.0	2	664	1328
	61	16.0	1	951	951
	62	16.0	1	959	959
	63	16.0	4	1200	4800
	64	16.0	1	470	470
	65	16.0	1	475	475
	66	16.0	2	1197	2394
	67	16.0	2	424	848
	68	20.0	1	425	425
	69	20.0	12	838	10056
	70	20.0	1	208	208
	71	20.0	1	948	948
	72	20.0	1	213	213
	73	20.0	1	938	938
	74	20.0	4	1194	4776
	75	20.0	4	1200	4800
	76	20.0	2	412	824
	77	20.0	1	400	400
	78	20.0	2	815	1630
	79	20.0	2	814	1628
	80	20.0	2	809	1618
	81	20.0	1	239	239
	82	20.0	2	514	1028
	83	20.0	2	809	1618
	84	20.0	1	238	238
	85	20.0	3	850	2550
	86	20.0	1	333	333
	87	20.0	1	323	323
	88	20.0	1	223	223
	89	20.0	1	258	258
	90	20.0	1	243	243
	91	20.0	2	420	840
	92	25.0	3	866	2598
	93	25.0	1	966	966
	94	25.0	1	280	280
	95	25.0	2	1193	2386
	96	25.0	2	1200	2400
	97	25.0	2	589	1178

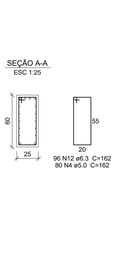
Resumo do aço

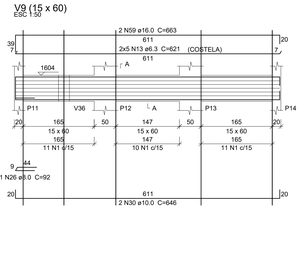
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	2717.2	731.4
	8.0	25.5	11
	10.0	86	58.3
	12.5	253.8	268.9
	16.0	164.2	285
	20.0	363.6	986.3
	25.0	98.1	415.7
CA60	5.0	1207.1	204.7
PESO TOTAL (kg)			
CA50	2756.6		
CA60	204.7		

Volume de concreto (C-30) = 25.4 m³
Área de forma = 267.19 m²



SEÇÃO A-A
ESC 1:25





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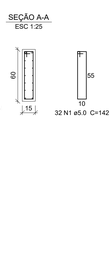

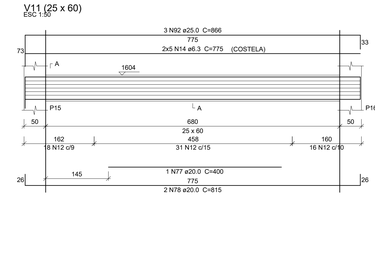

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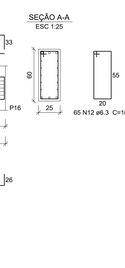

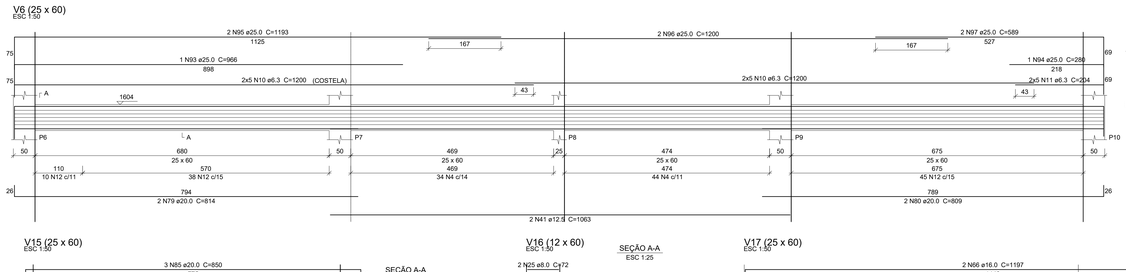

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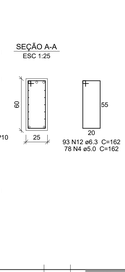

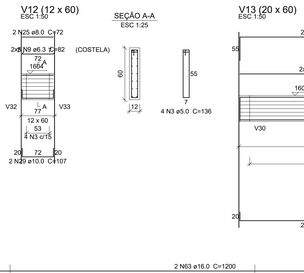

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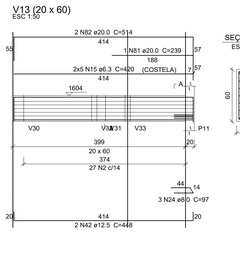

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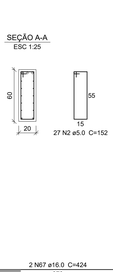

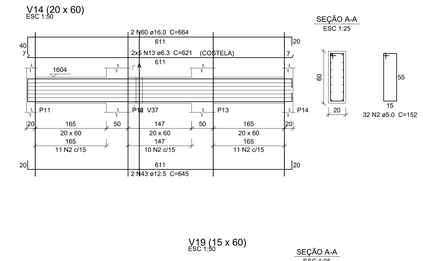

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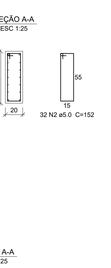

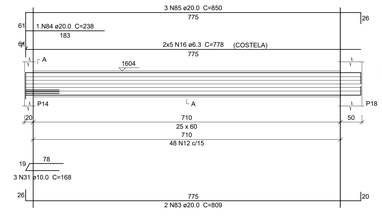

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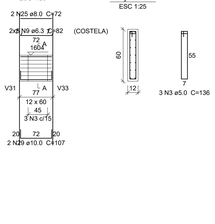

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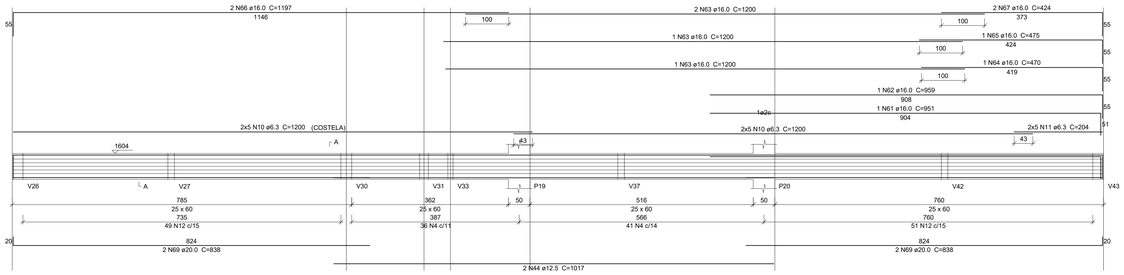

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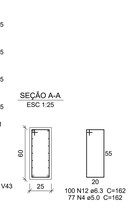

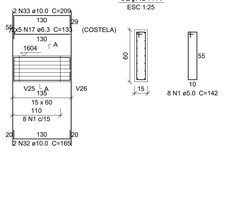

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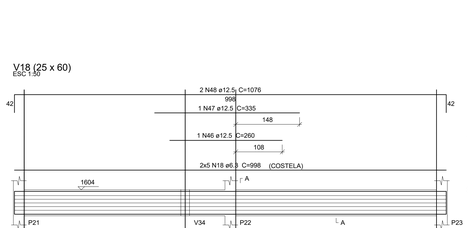

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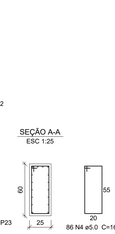

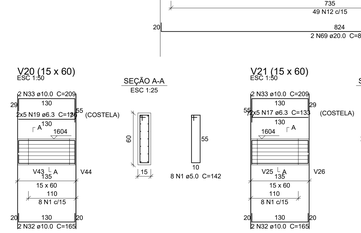

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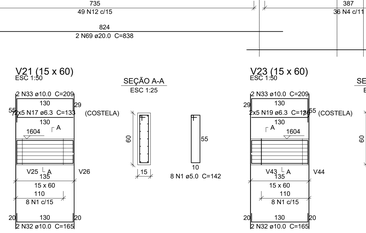

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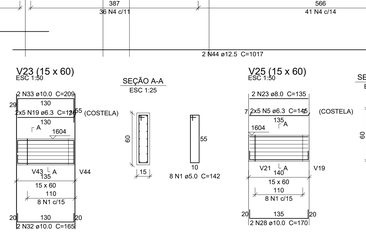

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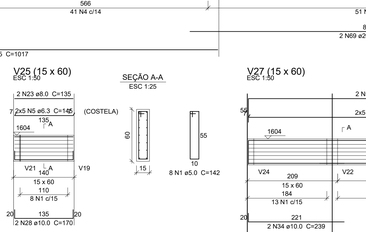

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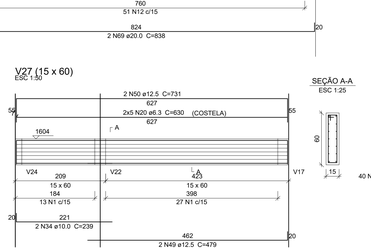

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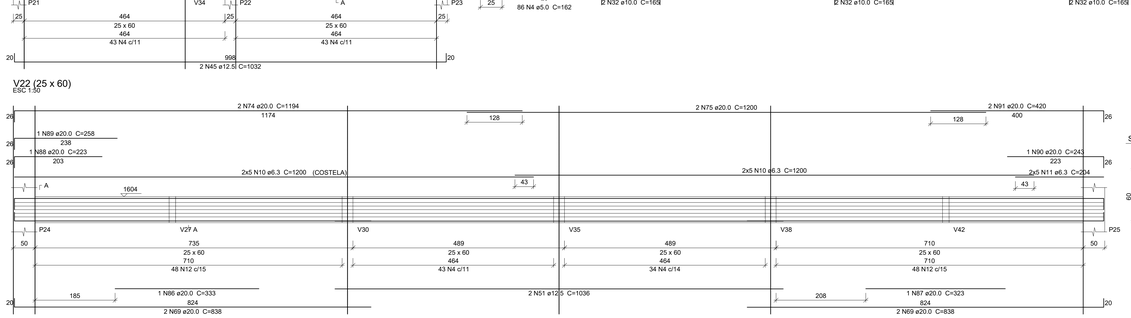

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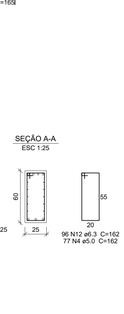

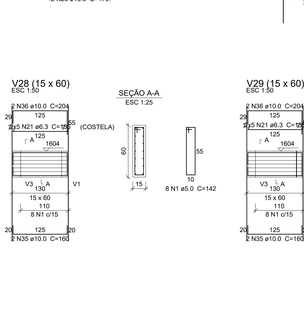

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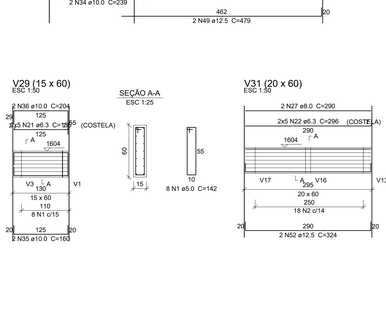
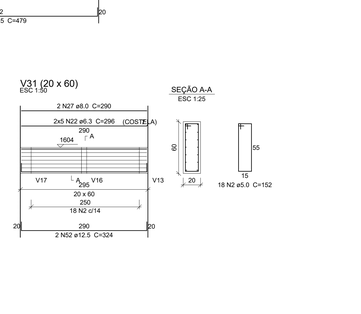
ESC 1:25



SEÇÃO A-A
ESC 1:25



SEÇÃO A-A
ESC 1:25

ITEM	REVISÃO (CONTEÚDO)	RESPONS.	DATA

PROPRIETÁRIO: SERVIÇO SOCIAL DO COMÉRCIO - SESC

AUTOR DO PROJETO: ENGº CIVIL E ARQ ALEXANDRE DE MORAES FERREIRA - CREA/PA 4393D

DESENV. DO PROJETO: ENGº CIVIL ALMIR MAGALHÃES JR. - CREA/PA 151086898-4D

PREFEITURA

BOMBEIROS

DEMAIS ÓRGÃOS

PROPRIETÁRIO:
SERVIÇO SOCIAL DO COMÉRCIO - SESC

ABL-CBK engenharia arquitetura & paisagismo ltda.
FONE:(91) 3244-5726/e-mail: ablcbk@nautilus.com.br

PROJETO: CONSTRUÇÃO ED. 06 PAVIMENTOS DA UNIDADE DOCA
DISCIPLINA: ESTRUTURA
FASE: PROJETO EXECUTIVO

CONTEÚDO: ARMAÇÃO DAS VIGAS DO 6º PAVIMENTO - PARTE 1
DISCIPLINA | PRANCHA | TOTAL
EST 40/64

Sesc

ENDEREÇO: RUA SENADOR MANOEL BARATA Nº 1873 - REDUTO - BELÉM/PA
AUTORES: ENGº CIVIL E ARQ ALEXANDRE DE MORAES FERREIRA - CREA/PA 4393D; ENGº CIVIL ALMIR MAGALHÃES JR. - CREA/PA 151086898-4D
RESPONSÁVEL TÉCNICO: ENGº CIVIL E ARQ ALEXANDRE DE MORAES FERREIRA - CREA/PA 4393D
VISTO:

ESCALA: INDICADA | DATA: JUNHO-2018 | REVISÃO: 000 | DESENV. GRÁFICO: ENGº CIVIL ALMIR MAGALHÃES JR.

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