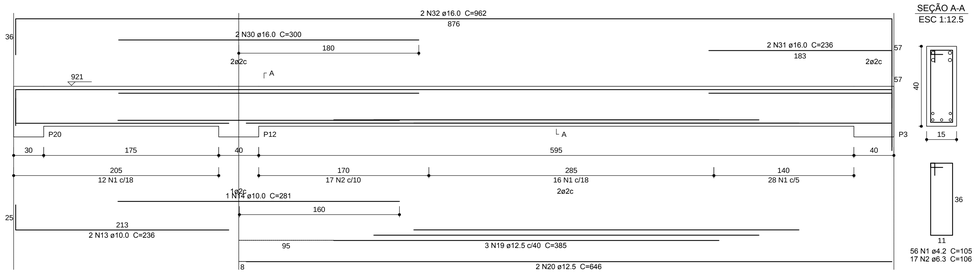
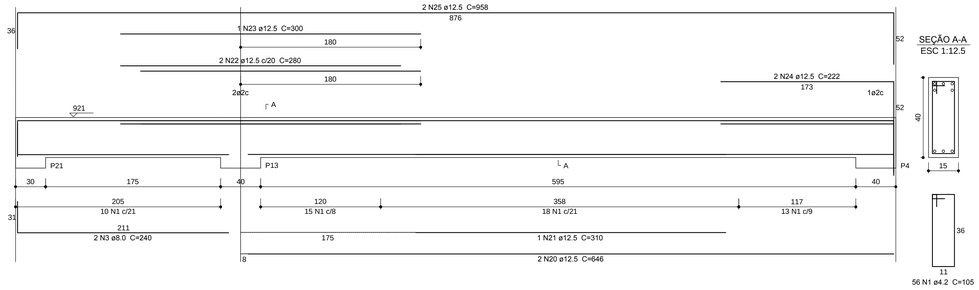
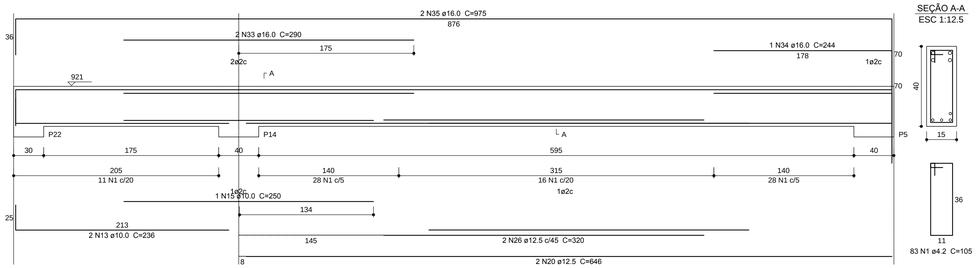
V6
1:25



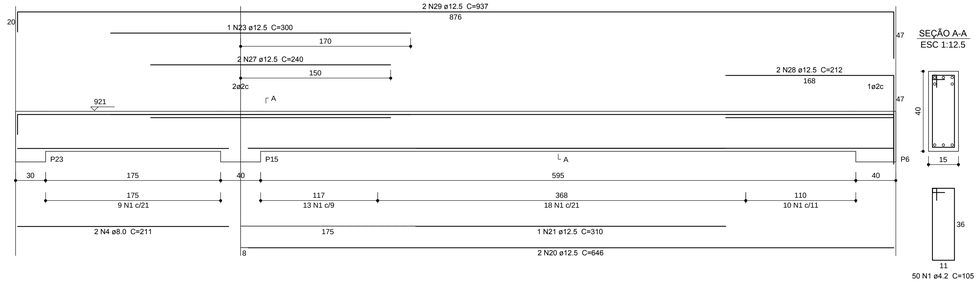
V7
1:25



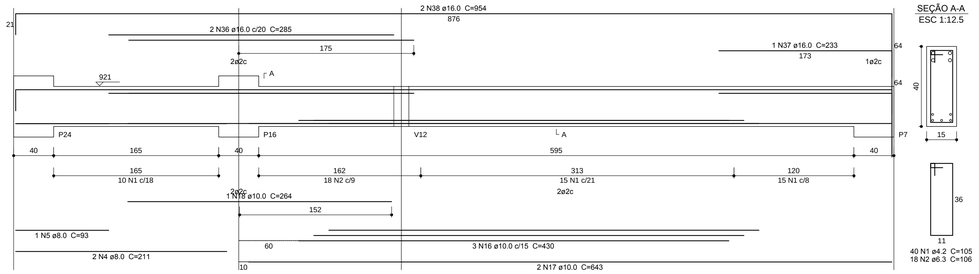
V8
1:25



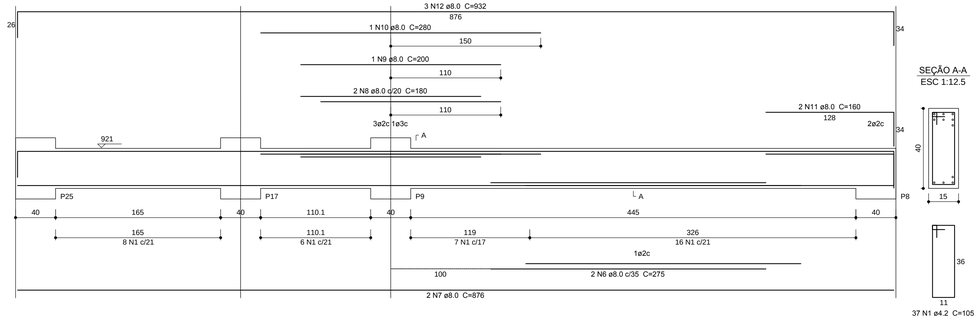
V9
1:25



V10
1:25



V11
1:25



Relação do aço

V6 V7 V8
V9 V10 V11

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	4.2	322	105	33810
CA50	2	6.3	35	106	3710
	3	8.0	2	240	480
	4	8.0	4	211	844
	5	8.0	1	93	93
	6	8.0	2	275	550
	7	8.0	2	876	1752
	8	8.0	2	180	360
	9	8.0	1	200	200
	10	8.0	1	280	280
	11	8.0	2	160	320
	12	8.0	3	932	2796
	13	10.0	4	236	944
	14	10.0	1	281	281
	15	10.0	1	250	250
	16	10.0	3	430	1290
	17	10.0	2	643	1286
	18	10.0	1	264	264
	19	12.5	3	385	1155
	20	12.5	8	646	5168
	21	12.5	2	310	620
	22	12.5	2	280	560
	23	12.5	2	300	600
	24	12.5	2	222	444
	25	12.5	2	958	1916
	26	12.5	2	320	640
	27	12.5	2	240	480
	28	12.5	2	212	424
	29	12.5	2	937	1874
	30	16.0	2	300	600
	31	16.0	2	236	472
	32	16.0	2	962	1924
	33	16.0	2	290	580
	34	16.0	1	244	244
	35	16.0	2	975	1950
	36	16.0	2	285	570
	37	16.0	1	233	233
	38	16.0	2	954	1908

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	37.1	10
	8.0	76.8	33.3
	10.0	43.2	29.3
	12.5	138.9	147.1
	16.0	84.9	147.2
CA60	4.2	338.1	40.4
PESO TOTAL			
CA50	366.9		
CA60	40.4		

Vol. de concreto total (C-20) = 3.17 m³
Área de forma total = 50.16 m²

APROVAÇÃO/PREFEITURA

PROJETO: **ESTRUTURAL**

Responsável Técnico

AMPLIAÇÃO DA ESCOLA SÃO ROQUE

RODOVIA RALF KNAESEL
SÃO ROQUE - TIMBÓ - SC

MUNICÍPIO DE TIMBÓ

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e-mail: clicprojeto@gmail.com

Data: Novembro/2014 | Área: x-x

Especificação: **VIGAS - COBERTURA 2** | Escala: Indicada | Prancha: 16/17

www.clicprojeto.com

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