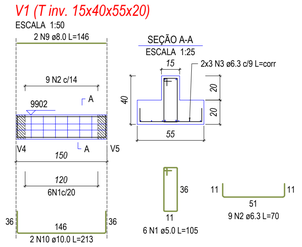
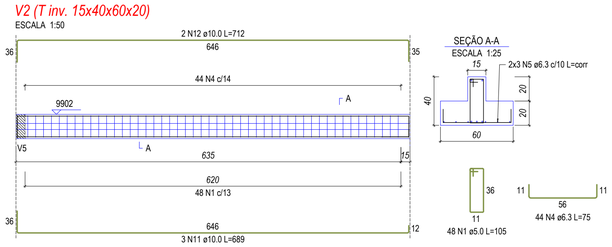
Vigas de fundação - pátio inferior

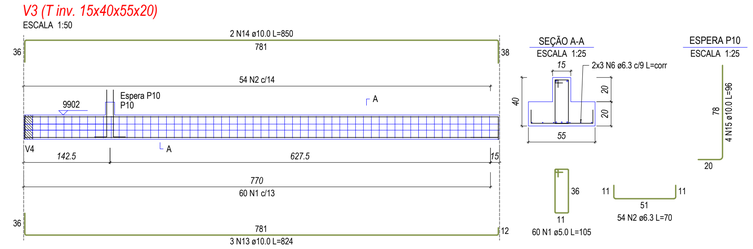
V1 (T inv. 15x40x55x20)



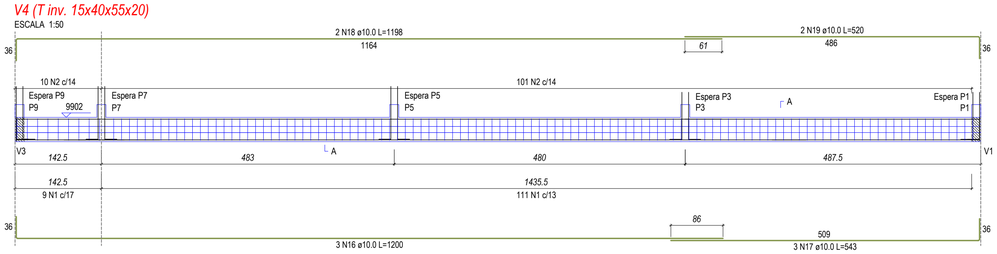
V2 (T inv. 15x40x60x20)



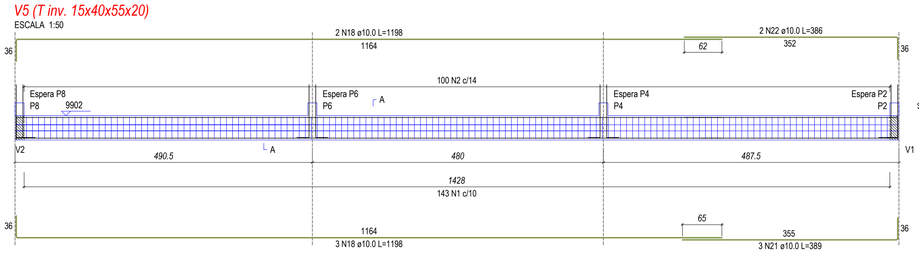
V3 (T inv. 15x40x55x20)



V4 (T inv. 15x40x55x20)



V5 (T inv. 15x40x55x20)



RELAÇÃO DO AÇO

V1 V2 V3 V4 V5

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	377	105	39585
CA50	2	6.3	274	70	19180
	3	6.3	6	corr	876
	4	6.3	44	75	3300
	5	6.3	6	corr	3876
	6	6.3	6	corr	4686
	7	6.3	6	corr	9534
	8	6.3	6	corr	8724
	9	8.0	2	146	292
	10	10.0	2	213	426
	11	10.0	3	689	2067
	12	10.0	2	712	1424
	13	10.0	3	824	2472
	14	10.0	2	850	1700
	15	10.0	20	96	1920
	16	10.0	3	1200	3600
	17	10.0	3	543	1629
	18	10.0	7	1198	8386
	19	10.0	2	520	1040
	20	10.0	20	105	2100
	21	10.0	3	389	1167
	22	10.0	2	386	772

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	6.3	501.8	42	122.8
	8.0	2.9	1	1.2
	10.0	287	24	177
CA60	5.0	395.9	33	61

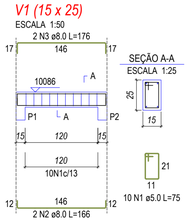
PESO TOTAL (kg)

CA50	300.9
CA60	61

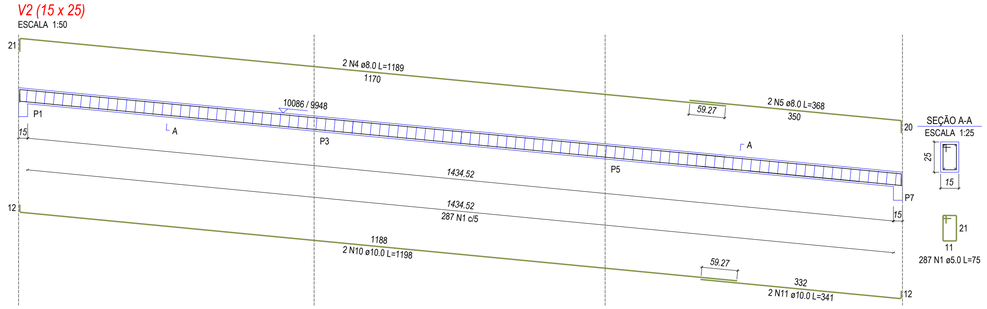
Volume de concreto (C-25) = 6.56 m³
Área de forma = 27.82 m²

Vigas de respaldo - pátio superior

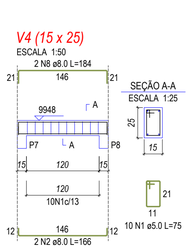
V1 (15 x 25)



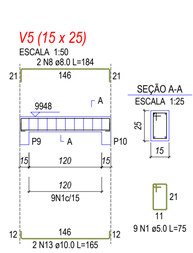
V2 (15 x 25)



V4 (15 x 25)



V5 (15 x 25)



RELAÇÃO DO AÇO

V1 V2 V3 V4 V5 V6 V7 V8 V9

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	517	75	38775
CA50	2	8.0	4	166	664
	3	8.0	2	176	352
	4	8.0	2	1189	2378
	5	8.0	2	368	736
	6	8.0	2	1190	2380
	7	8.0	2	367	734
	8	8.0	8	184	1472
	9	8.0	4	686	2744
	10	10.0	4	1198	4792
	11	10.0	2	341	682
	12	10.0	2	345	690
	13	10.0	6	165	990
	14	10.0	4	667	2668

RESUMO DO AÇO

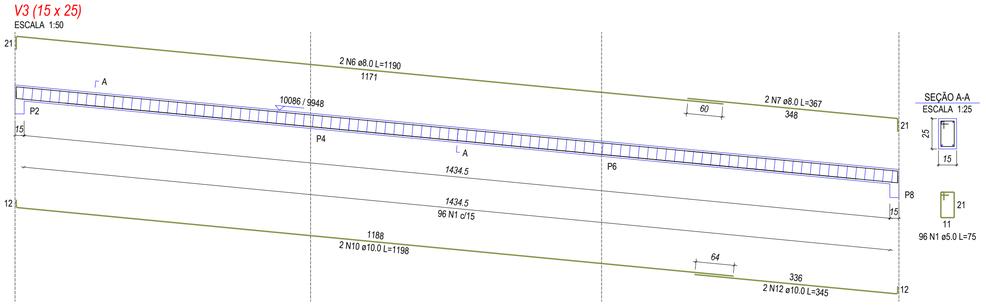
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	8.0	114.6	10	45.2
	10.0	98.2	9	60.6
CA60	5.0	387.8	33	59.8

PESO TOTAL (kg)

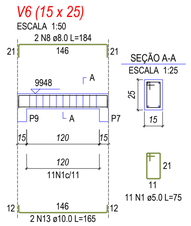
CA50	105.8
CA60	59.8

Volume de concreto (C-25) = 1.77 m³
Área de forma = 32.28 m²

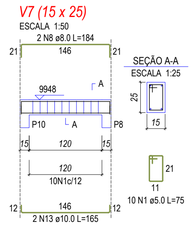
V3 (15 x 25)



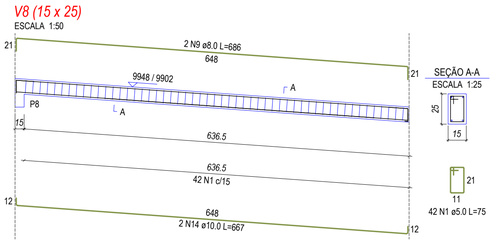
V6 (15 x 25)



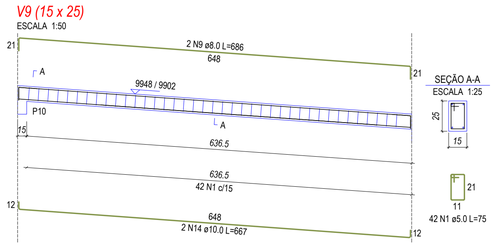
V7 (15 x 25)



V8 (15 x 25)



V9 (15 x 25)



SECRETARIA DE MUNICÍPIO DE ELABORAÇÃO DE PROJETOS E CAPTAÇÃO DE RECURSOS
SECAPSEP
SUPERINTENDÊNCIA DE ELABORAÇÃO DE PROJETOS

PREFEITO MUNICIPAL: JORGE CLADISTONE POZZOBOM
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RUA JORDÂNIA, Nº 133 - BAIRRO SÃO JOÃO - SANTA MARIA - RS

PROJETO ESTRUTURAL - EDIFICAÇÃO "A"

DETALHAMENTO DAS ESCADAS E RAMPAS

PROPRIETÁRIA / SECRETARIA GESTORA
MARCIO ANDREI DE MELO CARVALHO: 74163744053
PREFEITURA MUNICIPAL DE SANTA MARIA

PROJETISTA / RESPONSÁVEL TÉCNICO
REGIS DA COSTA MORAES:39591204000 4000
Assinado de forma digital por REGIS DA COSTA MORAES:39591204000
Dados: 2024.05.16 16:27:33 -03'00'
Eng. Civil Regis C. Moraes
CREA/RS 93.278

ÁREA: -	DESENHO ORIGINAL	A.R.T.	PRANCHA: 11/22
ESCALA: INDICADA	AJUSTES: Regis Moraes Engenheiro Civil	DATA: JUNHO/2024	
UNIDADES: CENTÍMETROS			
ARQUIVO:			