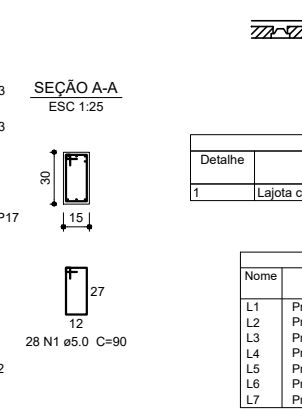
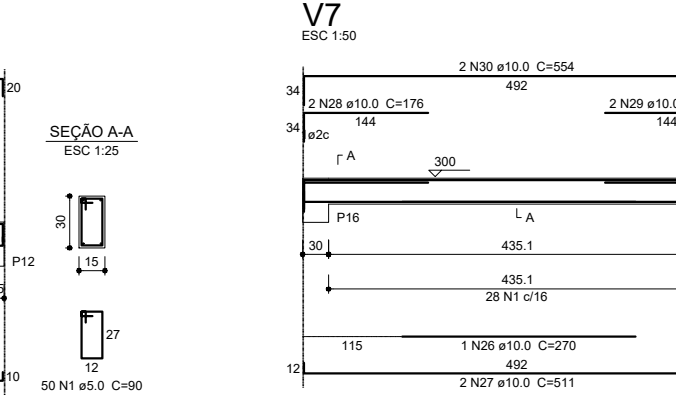
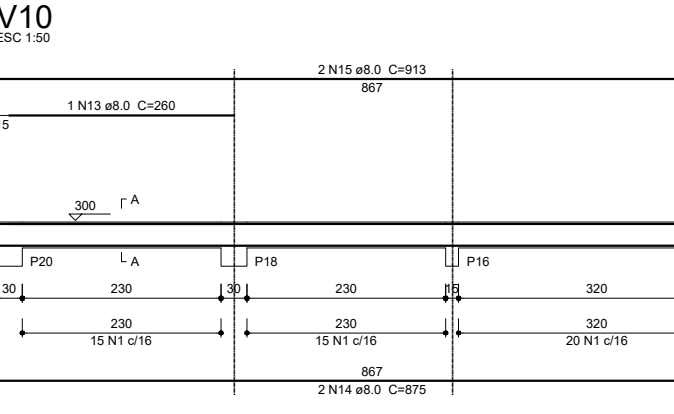
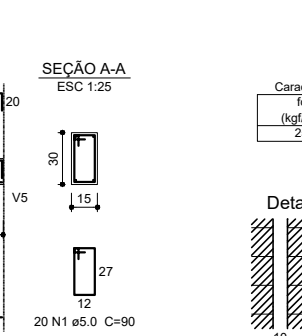
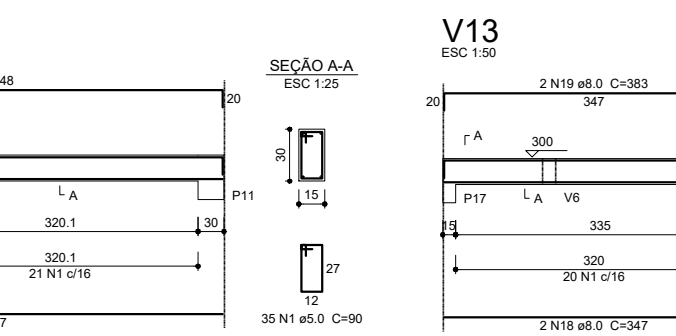
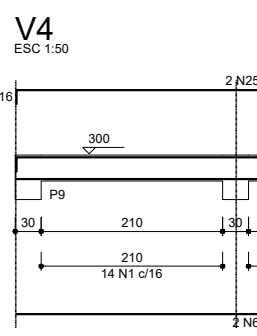
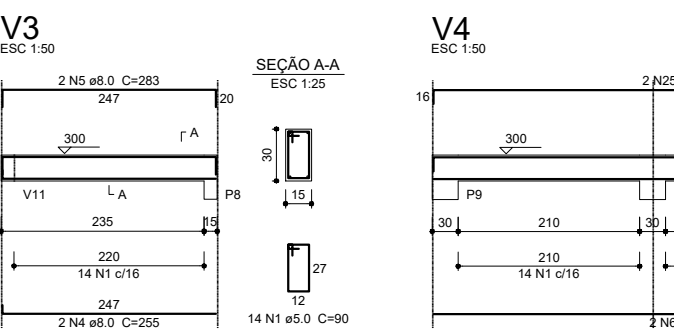
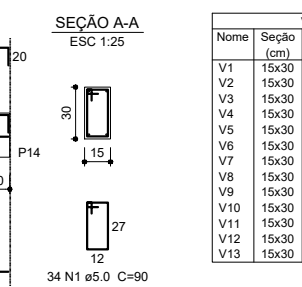
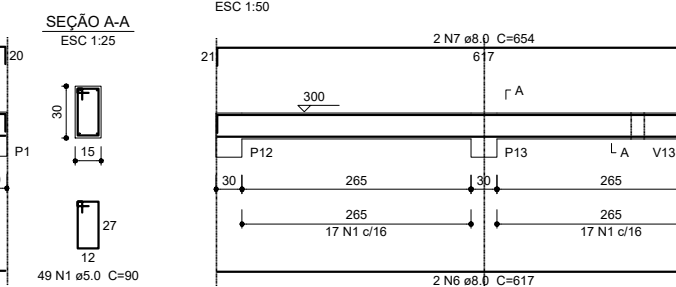
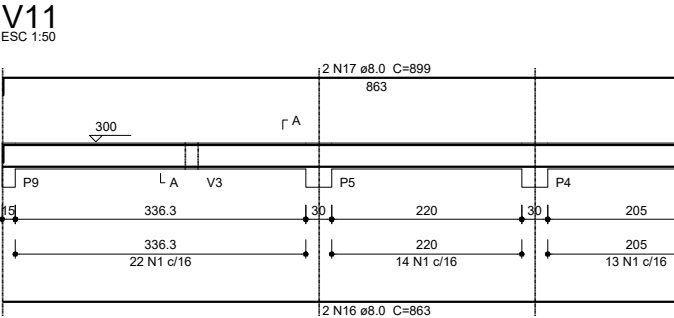
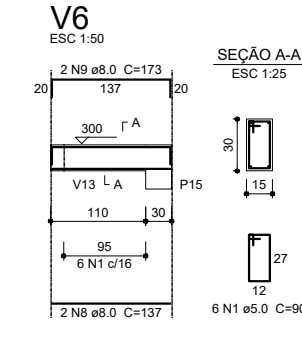
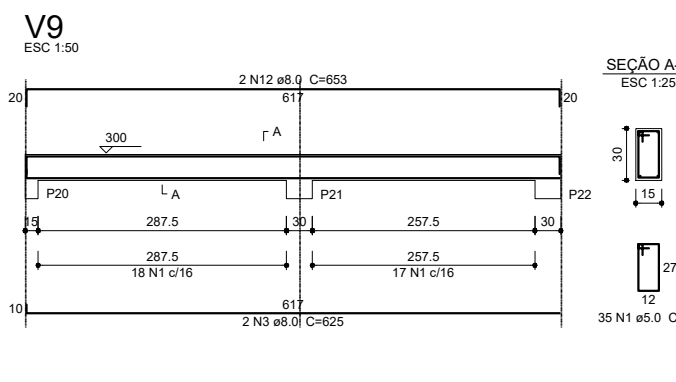
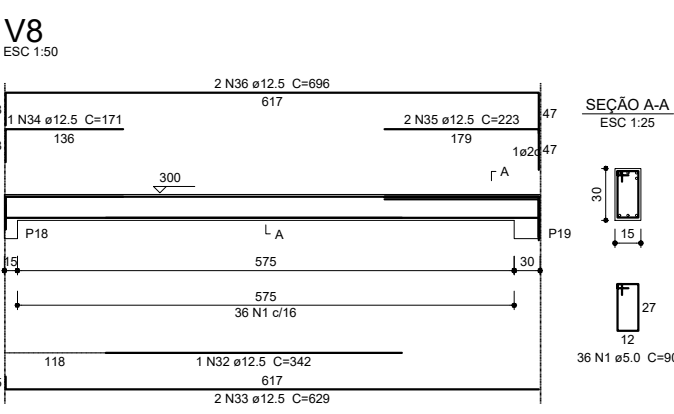
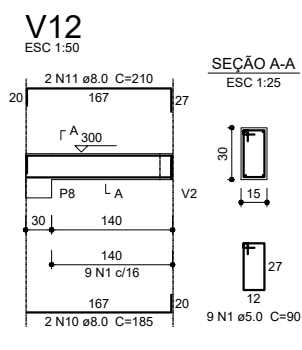
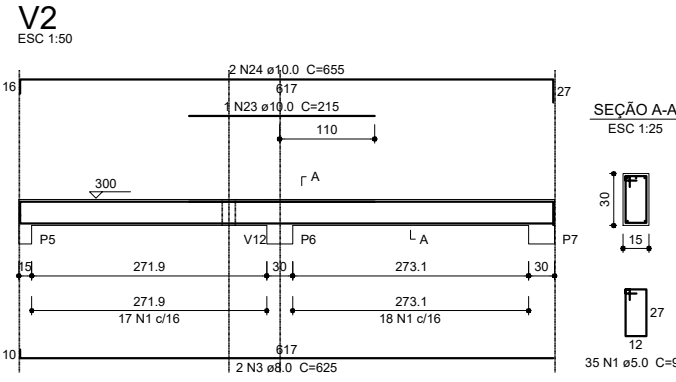
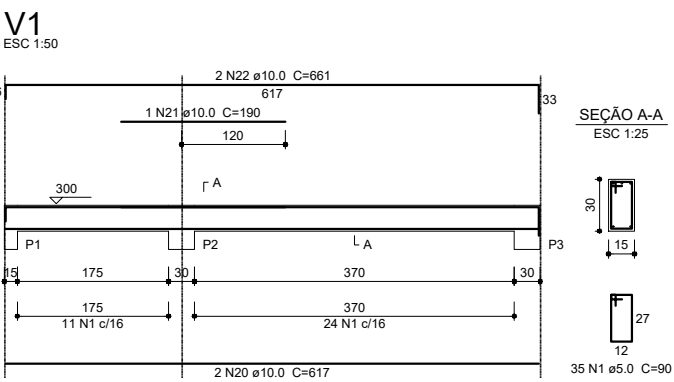
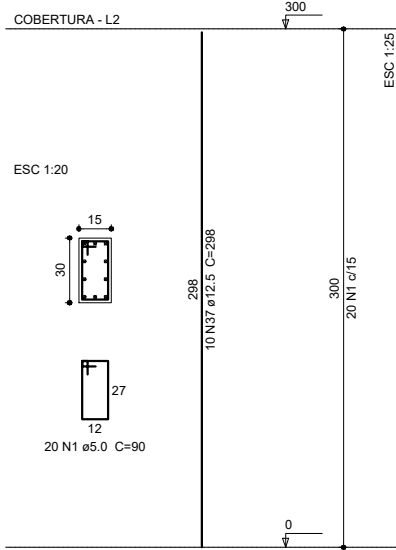
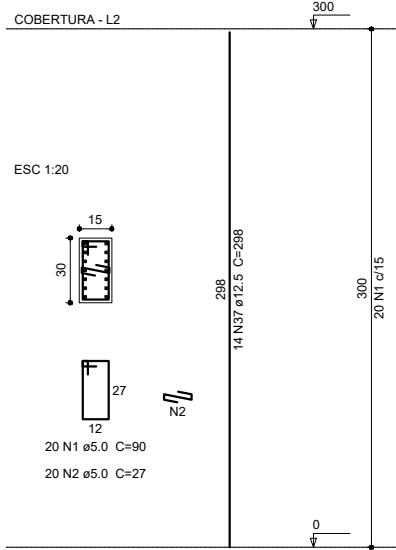
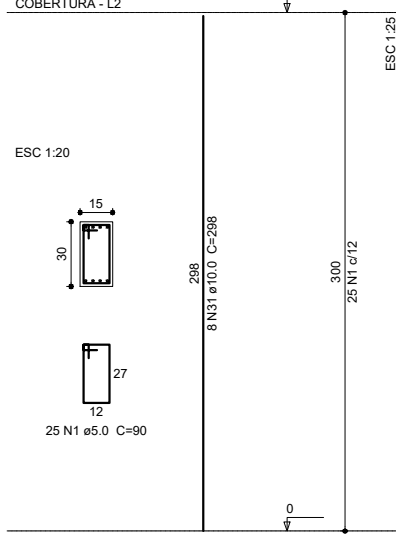
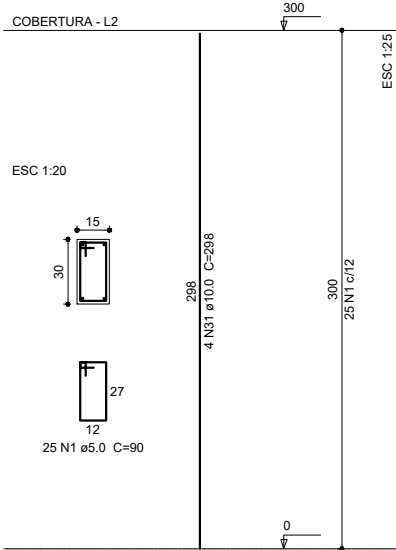


P1=P2=P3=P4=P5=P6=P7=P8=P9=P10=P11=P12
=P13=P14=P15=P20=P21=P22

P16=P17

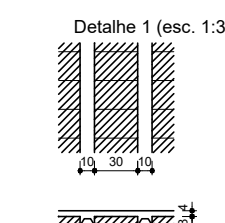
P18

P19



Vigas			
Nome	Seção	Elevação (cm)	Nível (cm)
V1	15x30	0	300
V2	15x30	0	300
V3	15x30	0	300
V4	15x30	0	300
V5	15x30	0	300
V6	15x30	0	300
V7	15x30	0	300
V8	15x30	0	300
V9	15x30	0	300
V10	15x30	0	300
V11	15x30	0	300
V12	15x30	0	300
V13	15x30	0	300

Características dos materiais	
fck	(kgf/cm²)
Ecs	(kgf/cm²)
250	238000



Blocos de enchimento				
Detalhe	Tipo	Nome	Dimensões (cm)	Quantidade
1	Lajota cerâmica	BB/30/20	30 x 30 x 20	1190

Lajes				
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)
L1	Pré-moldada	12	0	300
L2	Pré-moldada	12	0	300
L3	Pré-moldada	12	0	300
L4	Pré-moldada	12	0	300
L5	Pré-moldada	12	0	300
L6	Pré-moldada	12	0	300
L7	Pré-moldada	12	0	300

Forma do pavimento Cobertura

Relação do aço

18xP1	2xP16	P18
P19	V1	V2
V3	V4	V5
V6	V7	V8
V9	V10	V11
V12	V13	

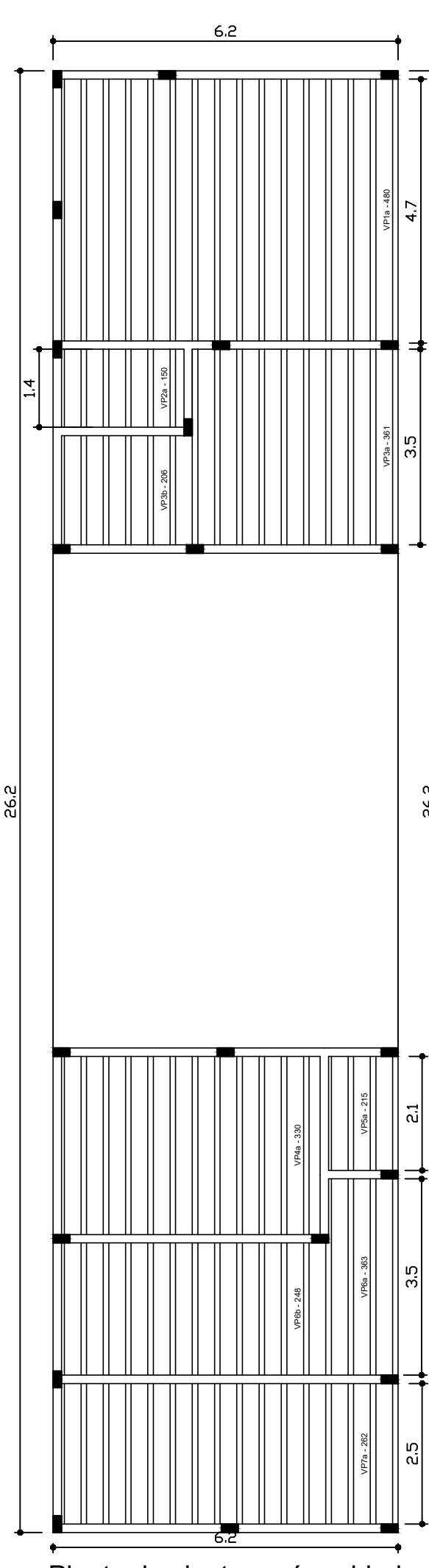
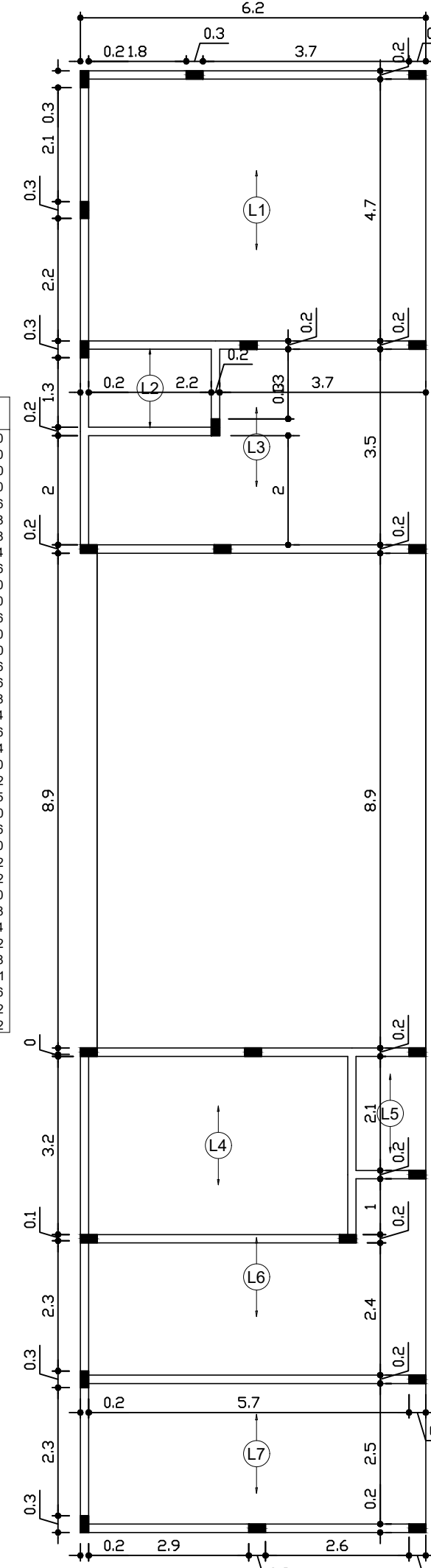
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	926	90	83340
	2	5.0	20	27	540
CA50	3	8.0	4	625	2500
	4	8.0	2	255	510
	5	8.0	2	283	566
	6	8.0	4	617	2468
	7	8.0	2	654	1308
	8	8.0	2	137	274
	9	8.0	2	173	346
	10	8.0	2	185	370
	11	8.0	2	210	420
	12	8.0	2	653	1306
	13	8.0	1	260	260
	14	8.0	2	875	1750
	15	8.0	2	913	1826
	16	8.0	2	863	1726
	17	8.0	2	899	1798
	18	8.0	2	347	694
	19	8.0	2	383	766
	20	10.0	2	617	1234
	21	10.0	1	190	190
	22	10.0	2	661	1322
	23	10.0	1	215	215
	24	10.0	2	655	1310
	25	10.0	2	648	1296
	26	10.0	1	270	270
	27	10.0	2	511	1022
	28	10.0	2	176	352
	29	10.0	2	175	350
	30	10.0	2	554	1108
	31	10.0	88	298	26224
	32	12.5	1	342	342
	33	12.5	2	629	1258
	34	12.5	1	171	171
	35	12.5	2	223	446
	36	12.5	2	696	1392
	37	12.5	24	298	7152

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	188.9	82
	10.0	349	236.6
	12.5	107.7	114
CA60	5.0	838.8	142.2
PESO TOTAL			
CA50	432.7		
CA60	142.2		

Vol. de concreto total (C-25) = 6.06 m³

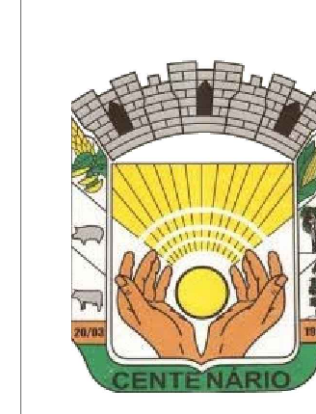
Área de forma total = 110.86 m²



Planta de vigotas pré-moldadas

Armação positiva das lajes do pavimento Cobertura (Eixo Y)

DETALHAMENTO COBERTURA
ESC: 1:175



Projeto:
Ampliação da Escola Mun. Nossa Senhora de Fátima

Endereço:

Linha Megegatti - Centenário - RS

Responsáveis Técnico:

Adriana Schenatto
Eng. Civil - CREA/RS 91580

Município de
Centenário

Data:

Escala:

Desenho:

Conteúdo da prancha:

Prancha:

Pág.

Abril/2022

Indicada

Adriana

Detalhamento Cobertura

E1

02