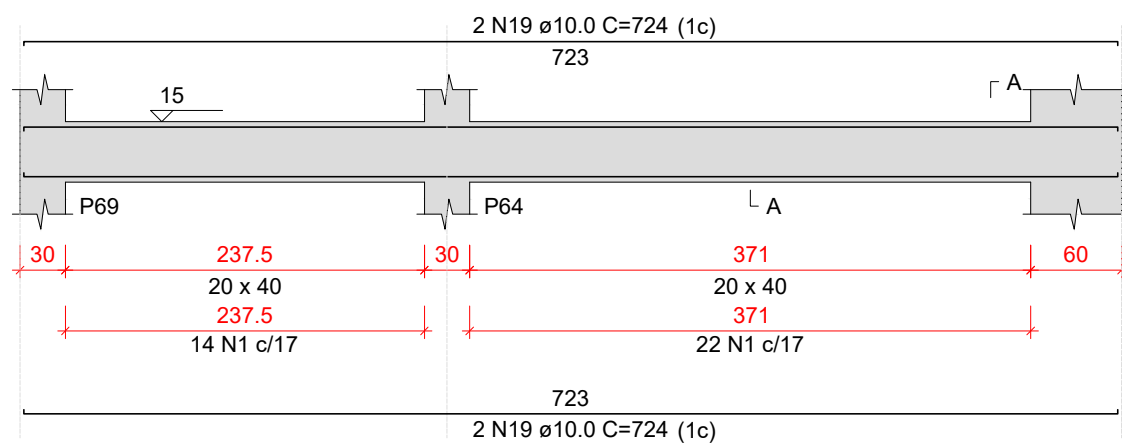
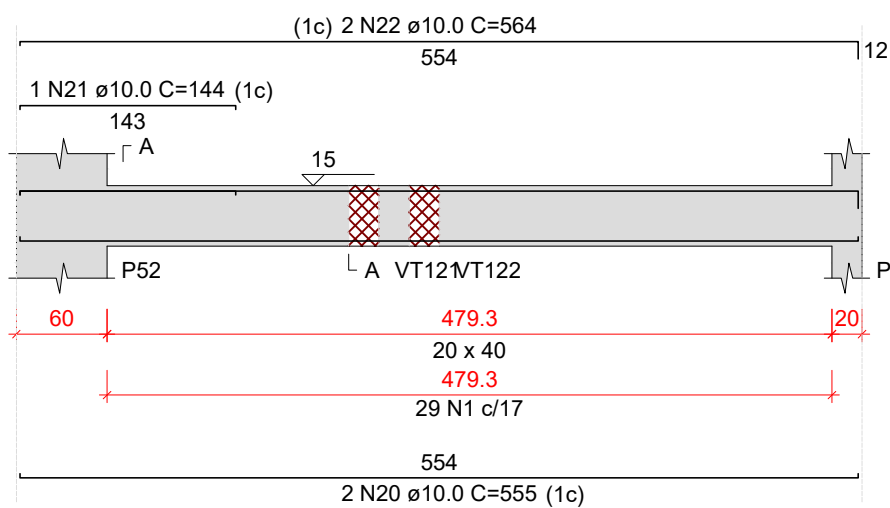
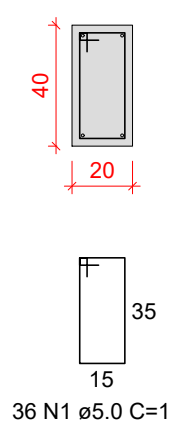
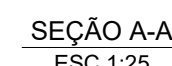


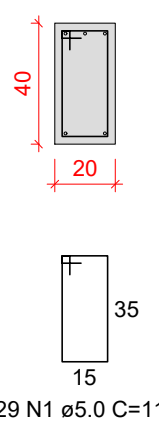
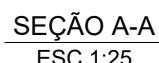
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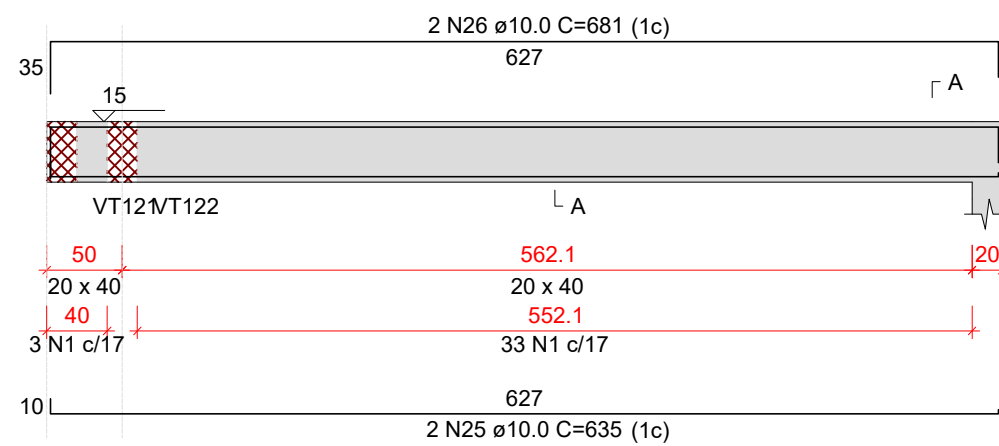
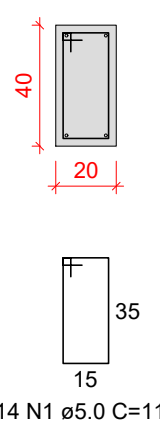
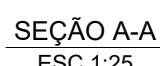
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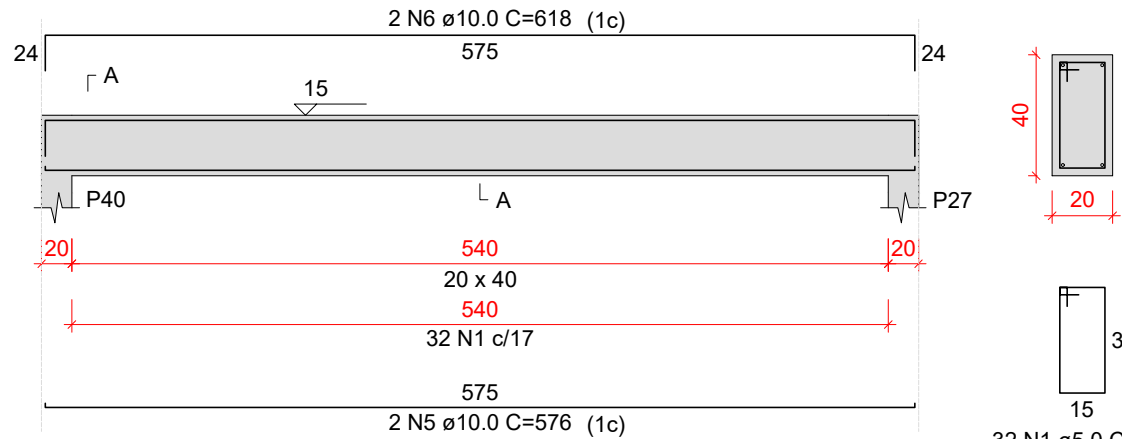
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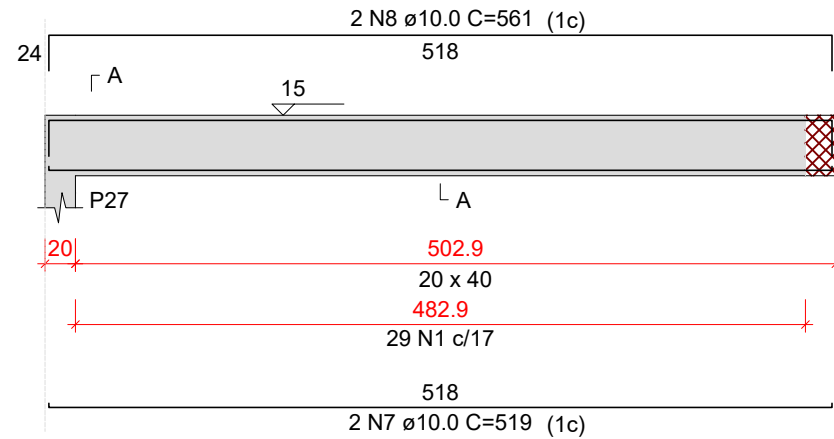
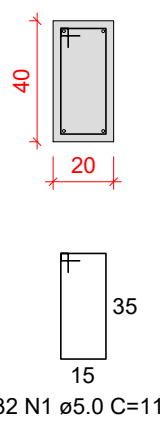
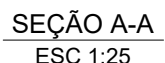
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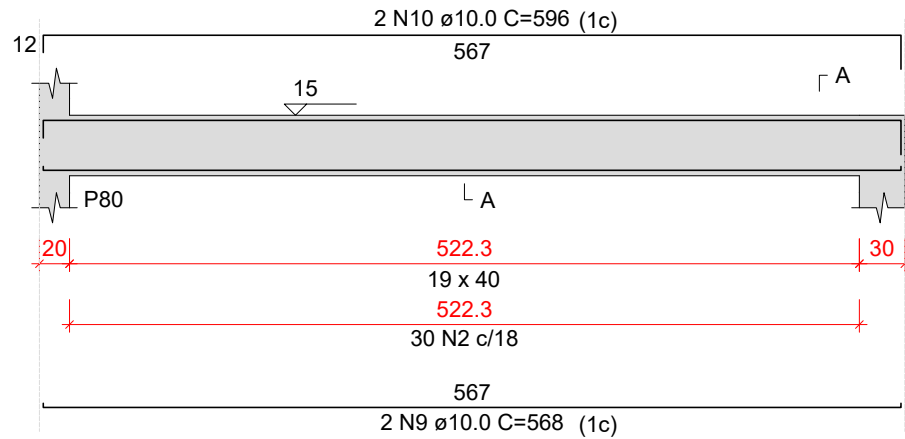
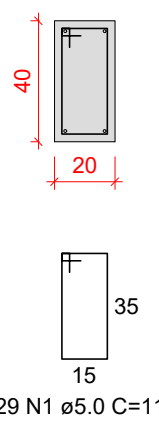
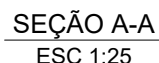
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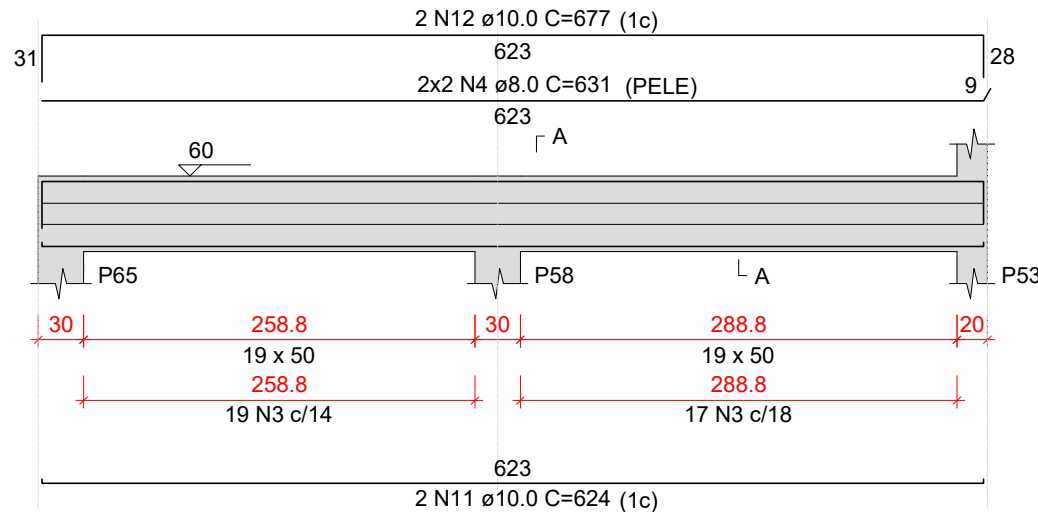
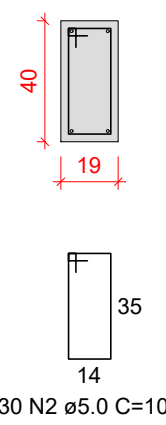
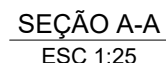
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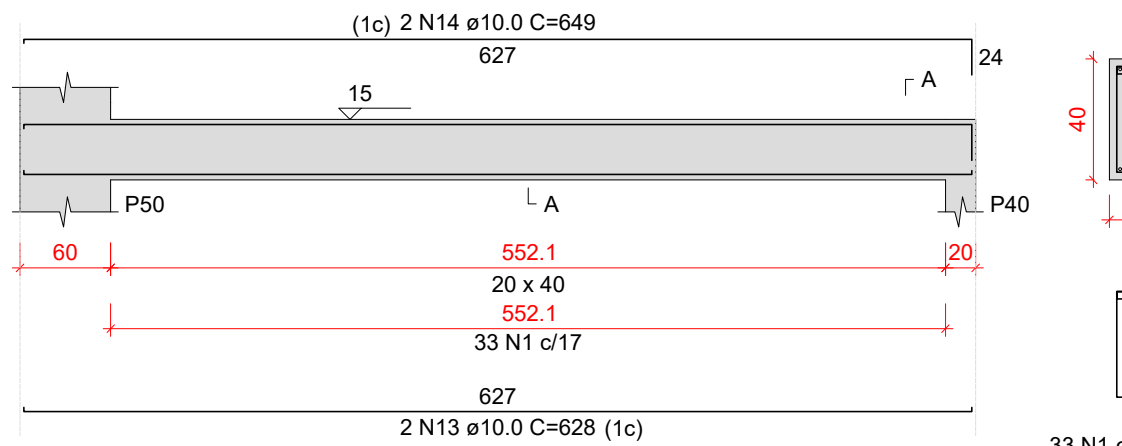
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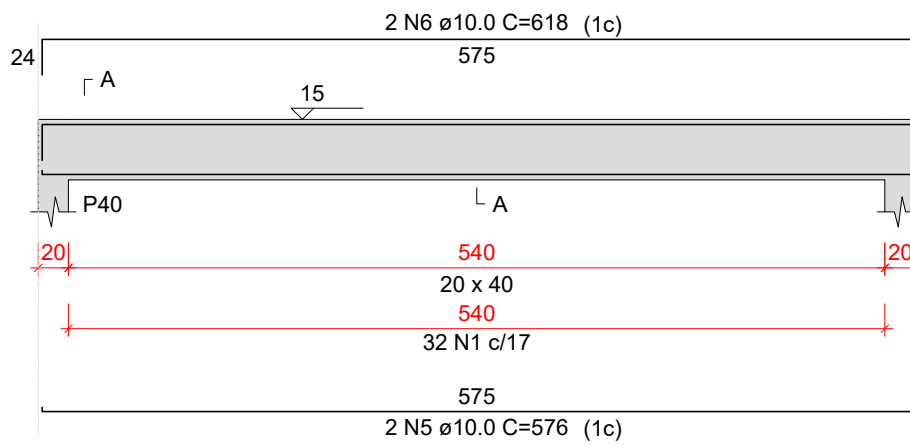
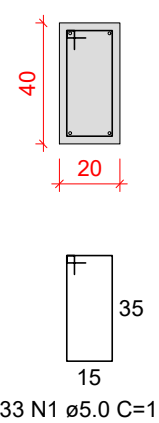
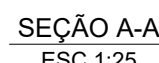
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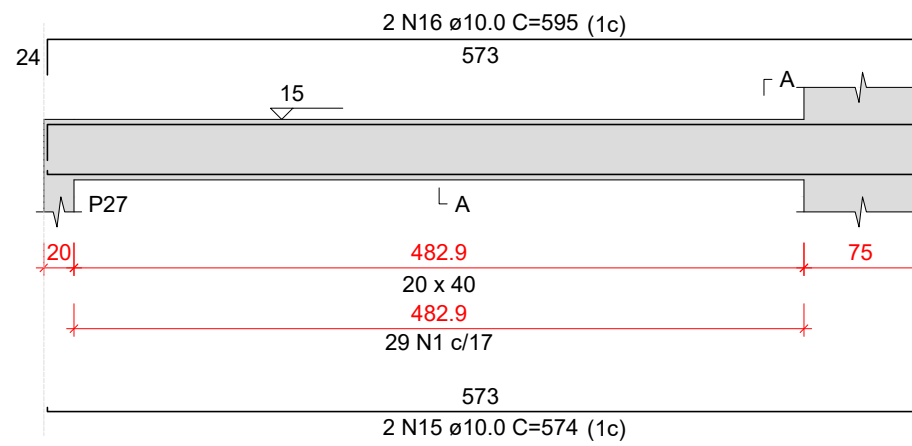
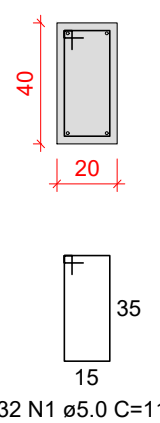
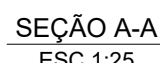
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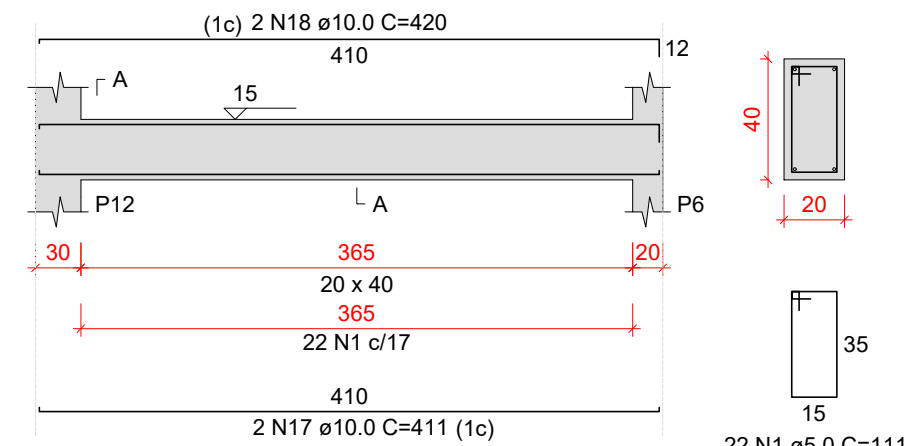
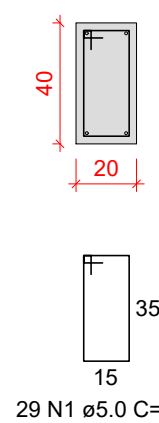
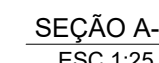
ESC 1:50



ESC 1:50



ESC 1:50



Relação do aço					
VT169		VT170		VT171	
VT172		VT173		VT174	
VT175		VT176		VT177	
VT178		VT179		VT180	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm2)
CA60	1	5,0	292	111	32412
	2	5,0	30	109	3270
CA50	3	5,0	36	129	46544
	4	8,0	4	231	2524
	5	10,0	4	576	2304
	6	10,0	4	618	2472
	7	10,0	2	519	1038
	8	10,0	2	561	1122
	9	10,0	2	568	1136
	10	10,0	2	592	1192
	11	10,0	2	624	1248
	12	10,0	2	677	1354
	13	10,0	2	628	1256
	14	10,0	2	649	1298
	15	10,0	2	674	1148
	16	10,0	2	595	1190
17	10,0	2	411	822	
18	10,0	2	420	840	
19	10,0	4	724	2896	
20	10,0	2	555	1110	
21	10,0	1	144	144	
22	10,0	2	564	1128	
23	10,0	2	266	532	
24	10,0	2	306	612	
25	10,0	2	635	1270	
26	10,0	2	681	1362	

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	25.3	11
	10.0	274.8	186.4
CA60	5.0	403.3	68.4
PESO TOTAL (kg)			
CA50	197.3		
CA60	68.4		

Volume de concreto (C-30) = 4.86 m³
Área de forma = 60.39 m²

Características do Projeto

1 – COBRIMENTO DAS ARMADURAS – PILARES E VIGAS:

2,5 cm

2 – COBRIMENTO DAS ARMADURAS – LAJES E ESCADAS:

2,5 cm

3 – COBRIMENTO DAS ARMADURAS – FUNDAÇÃO:

4,5 cm

4 – PREVER LASTRO DE CONCRETO MAGRO (5 cm) SOB AS ESTRUTURAS EM CONCRETO.

NOTAS 1 : DURABILIDADE

1 – CLASSE DE AGRESSIVIDADE AMBIENTAL: II

2 – MÓDULO DE ELASTICIDADE > 35.42 GPa

3 – FATOR A/C < 0,4

4 – AÇO CA 50A e CA 60B

5 – CONCRETO CLASSE > 30 MPa

6 – CONSUMO DE CIMENTO > 350 Kg/m³

5 – OS VENTOS INCIDENTES NAS FACES X (90°) E Y (0°), RESPECTIVAMENTE, NÃO OCORREM SIMULTANEAMENTE.

LEGENDA DA PLANTA DE LOCAÇÃO

A

ORIENTAÇÃO DOS EIXOS DOS PILARES

1

ORIENTAÇÃO DOS EIXOS DOS PILARES

NOTAS 3 : GERAIS

1 – Dimensões em Centímetros e Níveis em metros

2 – Conferir os disposições das armaduras antes da concretagem.

3 – A Responsabilidade pela fiscalização da obra é da Engª resp Técnico.

4 – Aconselhamos moldagem de corpos de prova para cada caminhão betoneira.

5 – Respeitar os prazos mínimos para retirada de formas e escoramentos.

6 – Evitar romper concreto após endurecido, com marreta e talhadeira.

7 – Toda e qualquer alteração no respectivo projeto, o Calculista deverá ser consultado e o mesmo deverá emitir seu parecer por escrito.

PROJETO ESTRUTURAL

CONTRATADO:
Kayo Henrique Moreira

Endereço:
Rua: Brasília, nº 395
Baixo: Centro, Anápolis - MG

CLIENTE:
SECRETARIA DE ATENÇÃO ESPECIALIZADA A SAÚDE

OBRA: MINISTÉRIO DA SAÚDE

Contratado.
CREA-MG : 199774/D

Email:
engenh@kayohenriqueira@gmail.com

ENDEREÇO OBRA:
UNIDADE BÁSICA DE SAÚDE - PORTE III

Número Cliente:
01/2024

DATA

16/10/2024

ENTREGA

16/10/2024

REVISÃO

00

UNIDADE: (EXCETO INDICADO)

cm

REFERÊNCIA: (1º DIEDRO)

TÍTULO:

DETALHAMENTO DAS VIGAS EM CONCRETO ARMADO
NÍVEL DO PAVIMENTO TERREO

Classe Concreto-MPa:
30

ESCALA:
INDICADAS EM PLANTA

DESENHO NÚMERO:
00001

MOD:
EST

REVISÃO:
00

FOLHA:
27 / 37