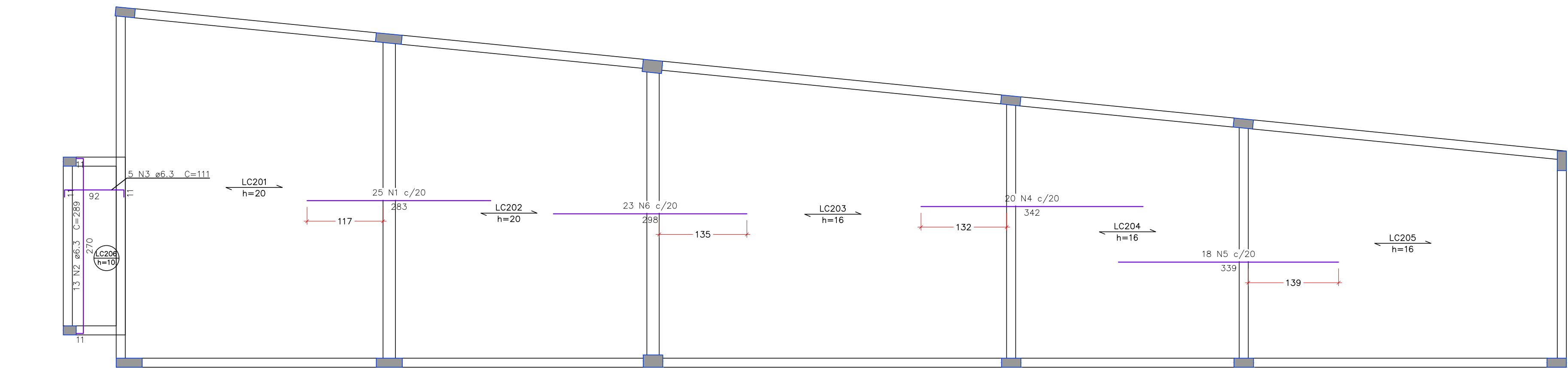
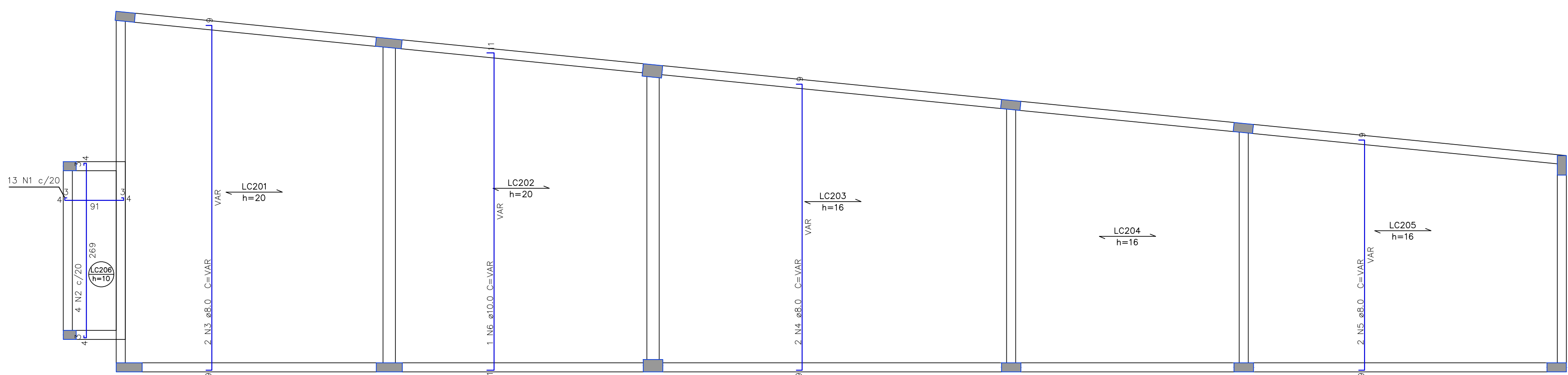


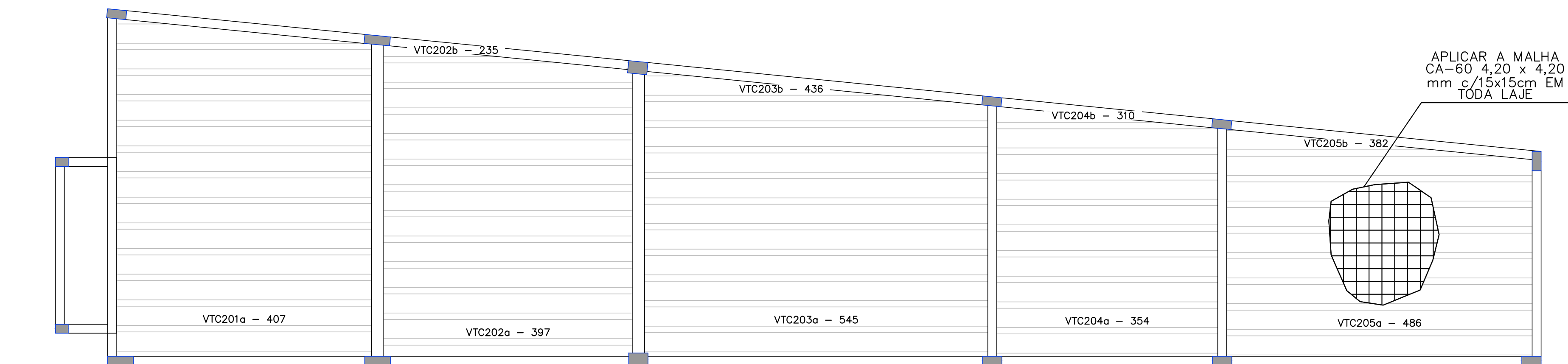
PROJETO ESTRUTURAL – AMPLIAÇÃO DO CEIM MARILISA LOPES DE OLIVEIRA
ESCALA INDICADA



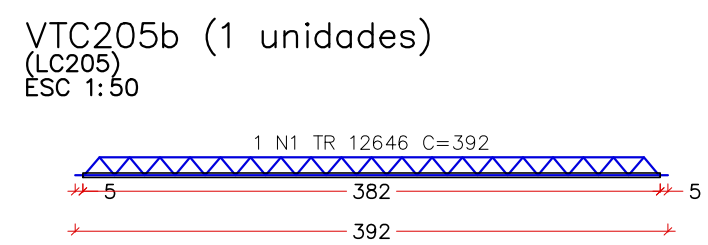
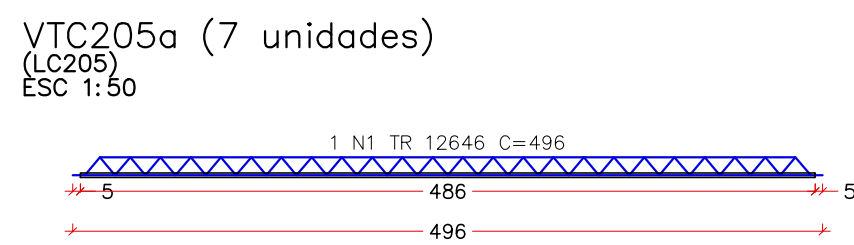
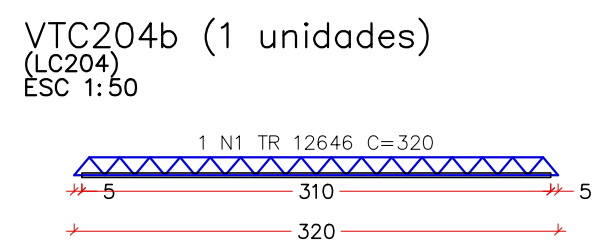
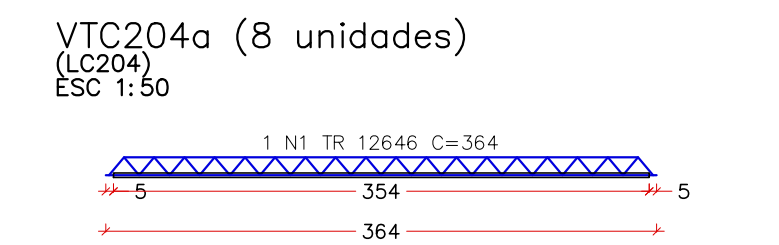
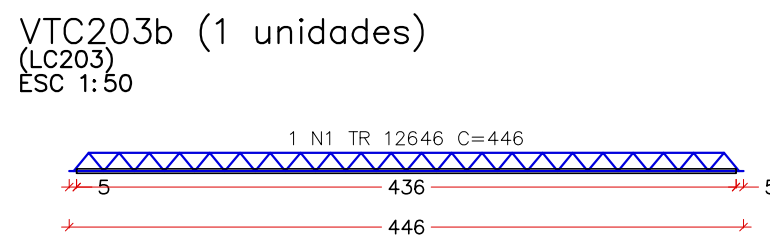
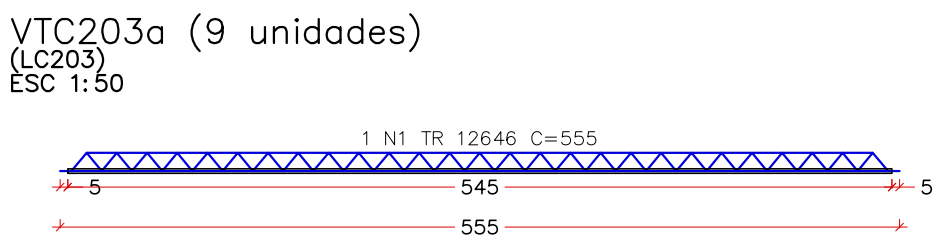
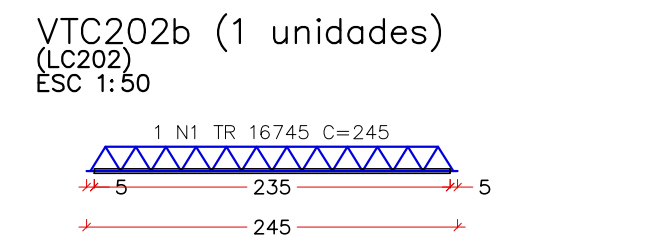
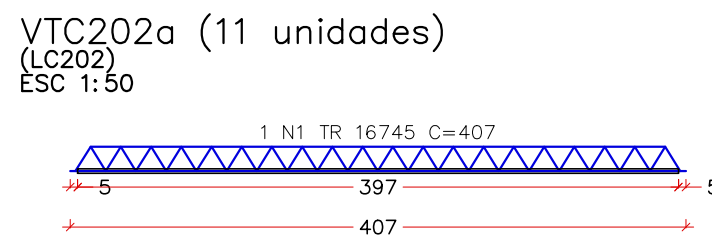
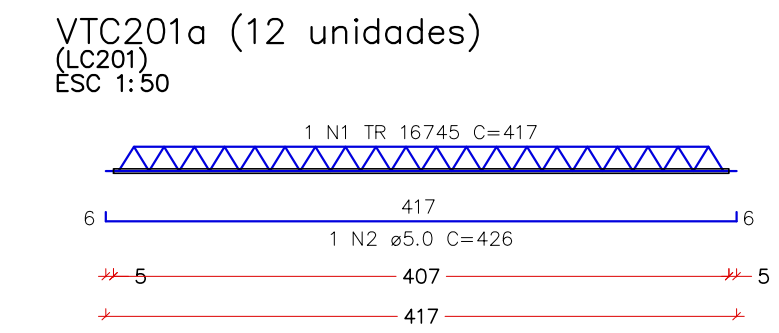
ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO COBERTURA
ESCALA 1:50



ARMAÇÃO POSITIVA E DAS NERVURAS DAS LAJES DO PAVIMENTO COBERTURA
ESCALA 1:50

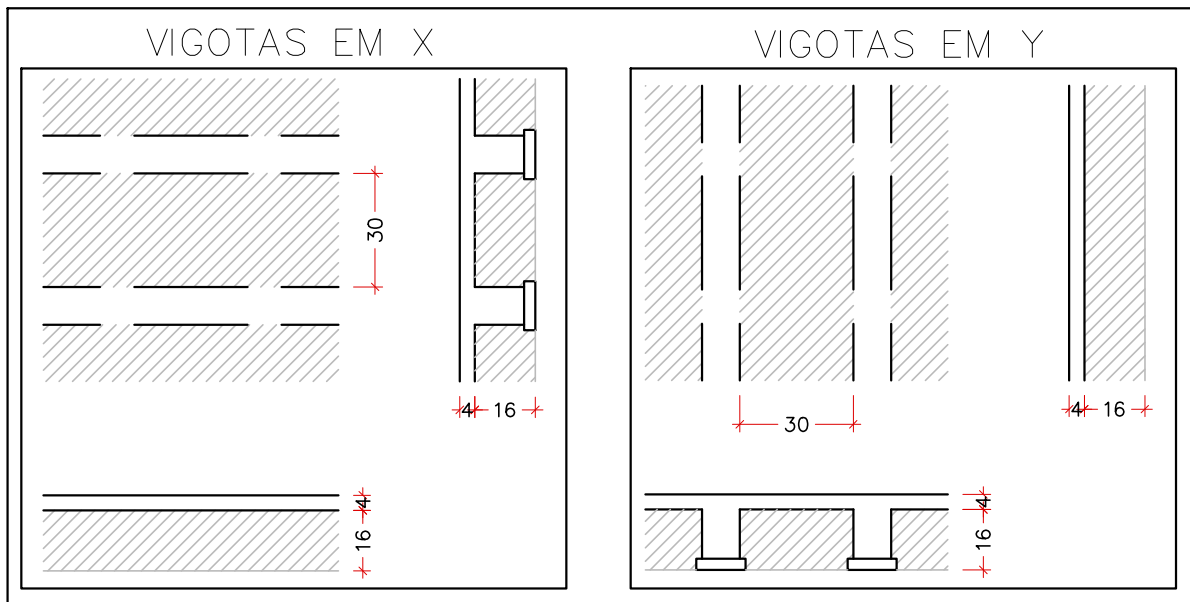


PLANTA DE VIGOTAS PRÉ-MOLDADAS
ESCALA 1:50

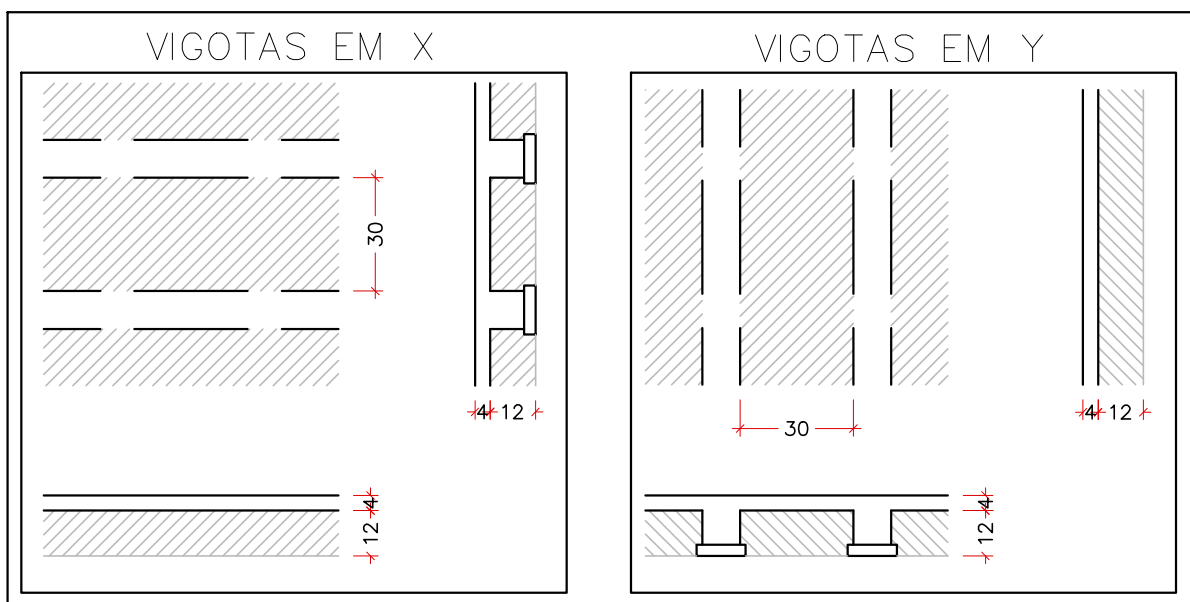


RELAÇÃO DO AÇO					
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)
NEGATIVOS	CA50	1	6.3	25	283
	CA50	2	6.3	13	289
	CA50	3	6.3	5	111
	CA50	4	8.0	20	342
	CA50	5	8.0	18	339
	CA50	6	10.0	23	298
POSITIVOS E NERVURAS	CA50	1	6.3	13	99
	CA50	2	6.3	4	277
	CA50	3	8.0	2	VAR
	CA50	4	8.0	2	VAR
	CA50	5	8.0	2	VAR
	CA50	6	10.0	1	VAR

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	137.9	37.1
	8.0	156.9	68.1
	10.0	73.6	49.9
PESO TOTAL (kg)		VOLUME DE CONCRETO (C-30) = 6.27 m³	
CA50	155.1	ÁREA DE FORMA = 1.65 m²	



LAJE H20 – TRELIÇA TR16
ESCALA 1:20



LAJE H16 – TRELIÇA TR12
ESCALA 1:20

RELAÇÃO DO AÇO					
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)
12xVTC201a	CA60	1	TR 16745	12	417
11xVTC202a	CA60	2	5.0	12	426
VTC202b	CA60	1	TR 16745	11	407
9xVTC203a	CA60	1	TR 16745	9	245
VTC203b	CA60	1	TR 12646	1	446
8xVTC204a	CA60	1	TR 12646	8	364
VTC204b	CA60	1	TR 12646	1	320
7xVTC205a	CA60	1	TR 12646	7	496
VTC205b	CA60	1	TR 12646	1	392

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5.0	51.1	8.7
	TR12646	125.4	140.3
	TR16745	97.3	110.4
PESO TOTAL (kg)		259.3	
CA60	259.3		

REV. 00	17/07/24	EMISSÃO INICIAL	DAC
REVISÃO	DATA	DESCRIÇÃO:	RESP.:

CLIENTE



Prefeitura Municipal
de **Pouso Alegre**

PROJETO



Rua Cel. Joaquim Francisco, 341, Bairro Varginha
CEP: 37501-052 – Itajubá / MG
Tel: (35) 2143 – 9087
www.docengenharia.com.br

COORDENAÇÃO

RAFAEL BARBOSA CARREIRA CAU: 00A155411-5
RESPONSÁVEL TÉCNICO E AUTOR

ALOISIO CAETANO FERREIRA CREA: MG-97.132/D

EMPREENDIMENTO

AMPLIAÇÃO DO CEIM MARILISA LOPES DE OLIVEIRA

ENDEREÇO

RUA LUÍS BARBATO, 336 – B. JARDIM AURELIANO
POUSO ALEGRE – MINAS GERAIS

ASSUNTO

PROJETO ESTRUTURAL EM CONCRETO ARMADO
COZINHA
DETALHAMENTO DAS VIGAS DO PAVIMENTO COBERTURA

DISCIPLINA

ESTRUTURAL

FASE DO PROJETO

EXECUTIVO

FOLHA Nº.

15/25

DATA INICIAL

17/07/2024

ESCALA

INDICADA

REVISÃO

R00

ARQUIVO

DAC-PMPA-MLO-PE-EST.DWG