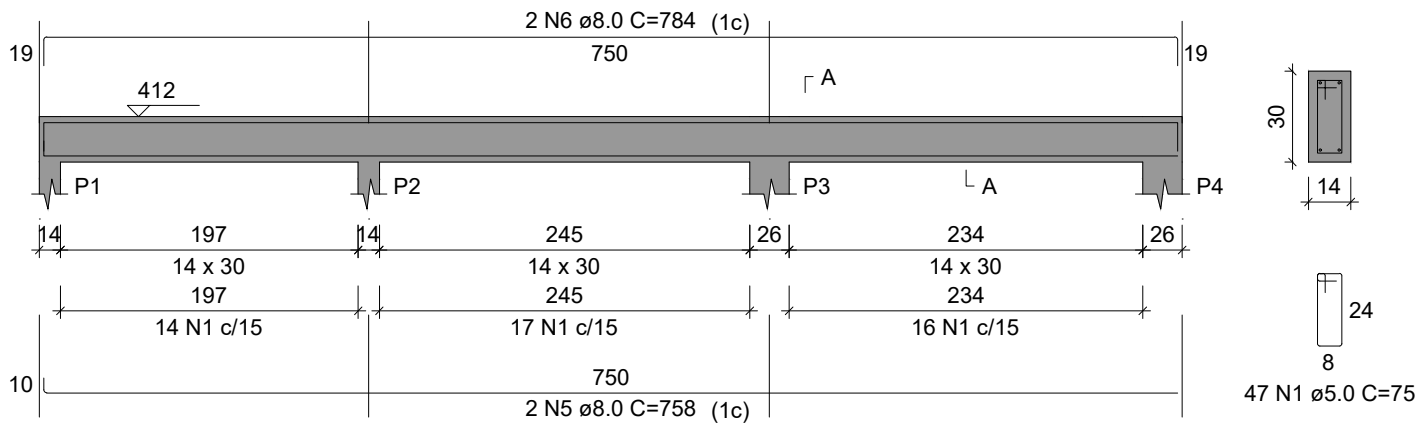
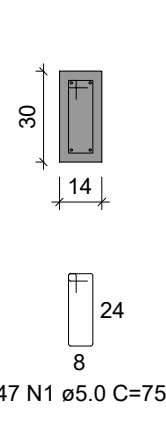


V1

ESC 1:50

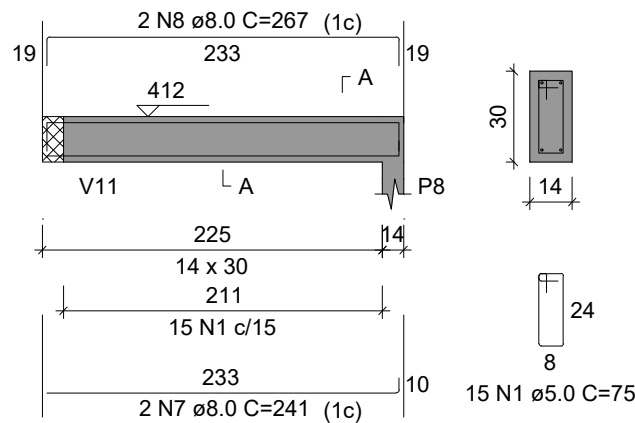


SEÇÃO A-A
ESC 1:25

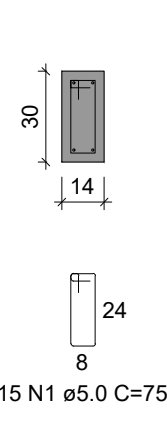


V2

ESC 1:50

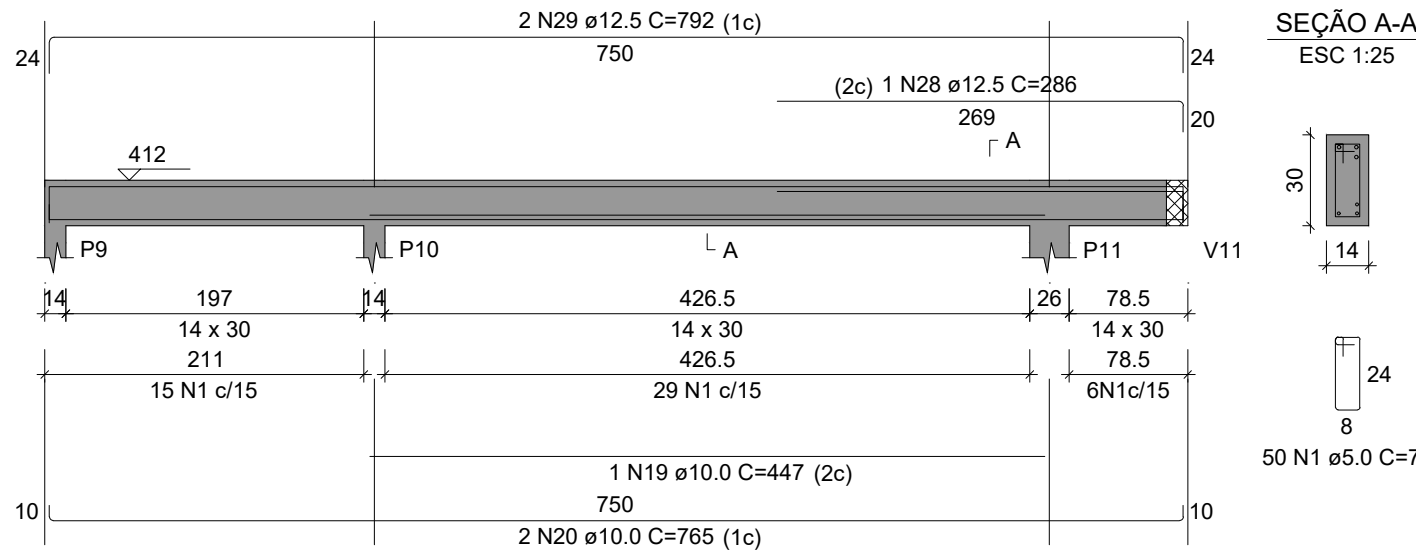


SEÇÃO A-A
ESC 1:25

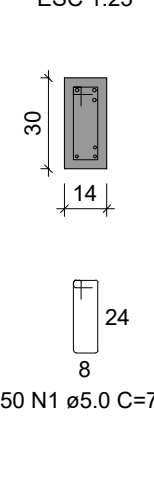


V3

ESC 1:50

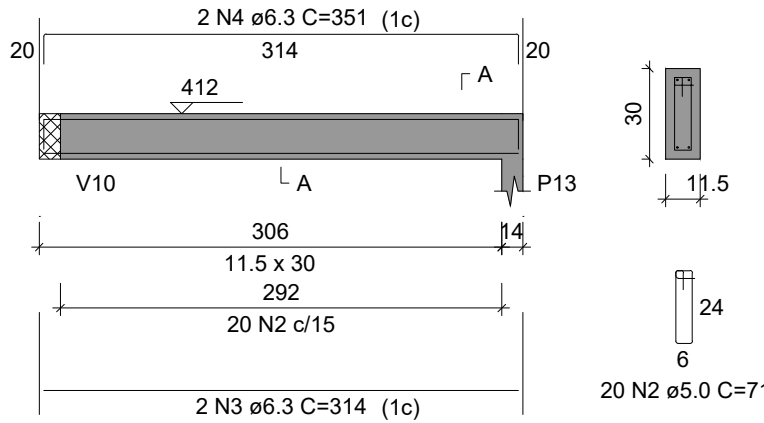


SEÇÃO A-A
ESC 1:25

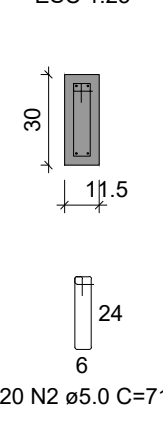


V4

ESC 1:50

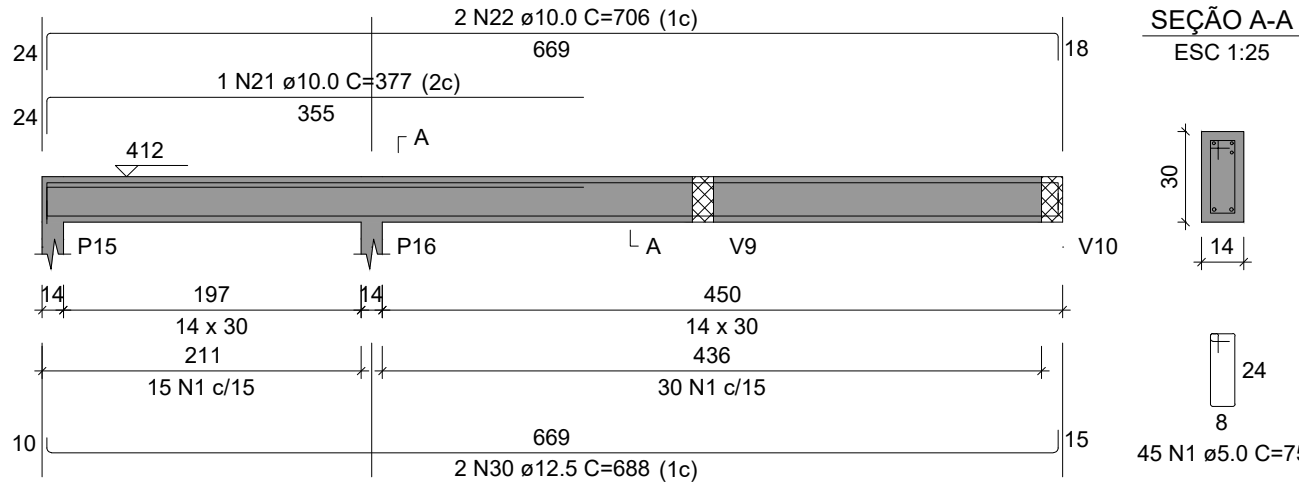


SEÇÃO A-A
ESC 1:25

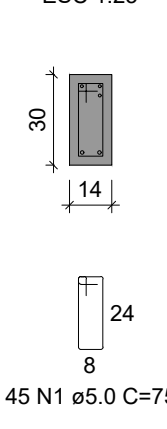


V5

ESC 1:50

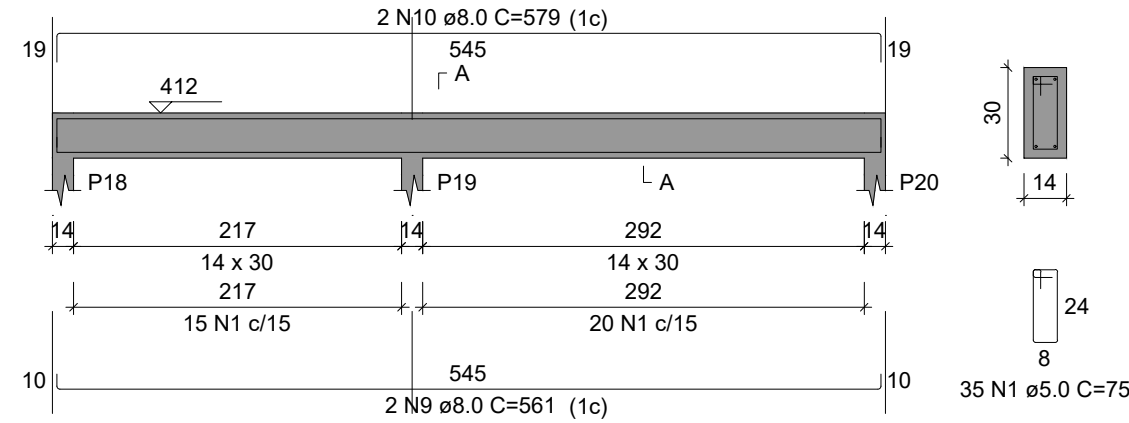


SEÇÃO A-A
ESC 1:25

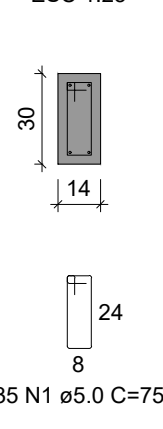


V6

ESC 1:50

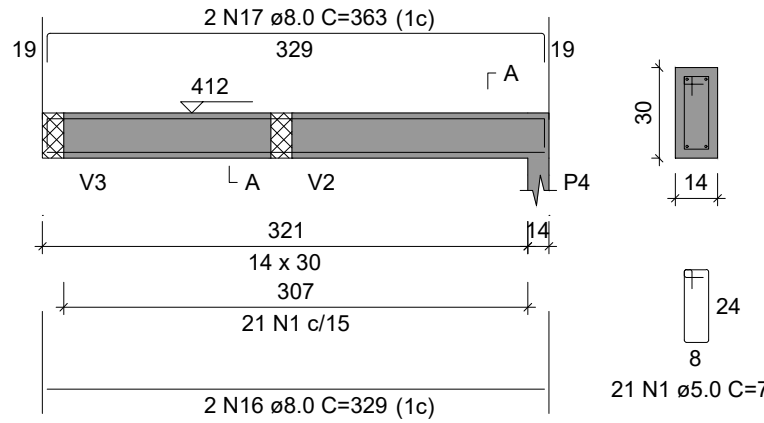


SEÇÃO A-A
ESC 1:25

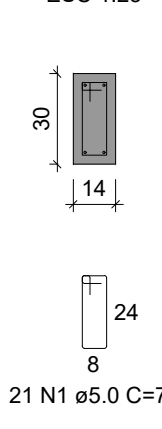


V11

ESC 1:50

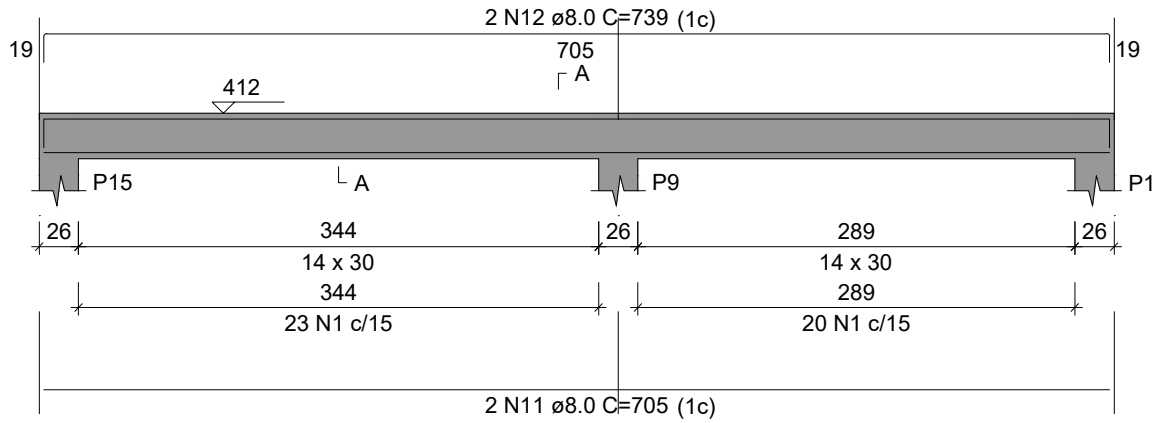


SEÇÃO A-A
ESC 1:25

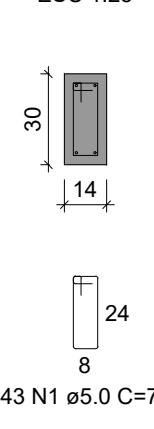


V7

ESC 1:50

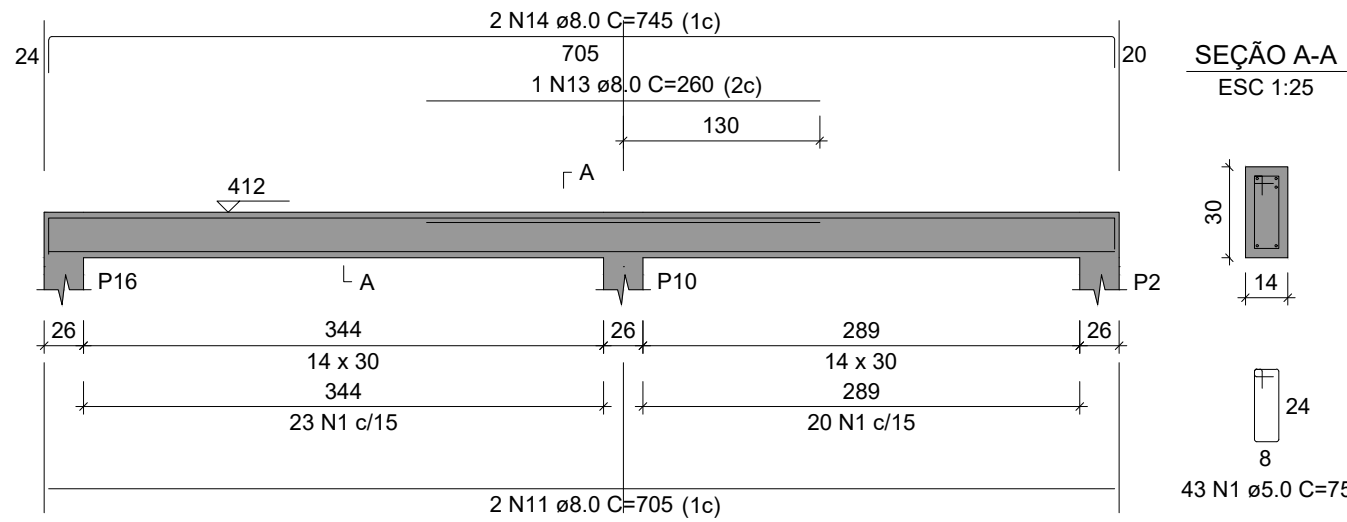


SEÇÃO A-A
ESC 1:25

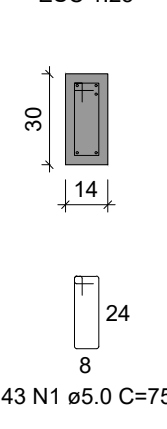


V8

ESC 1:50

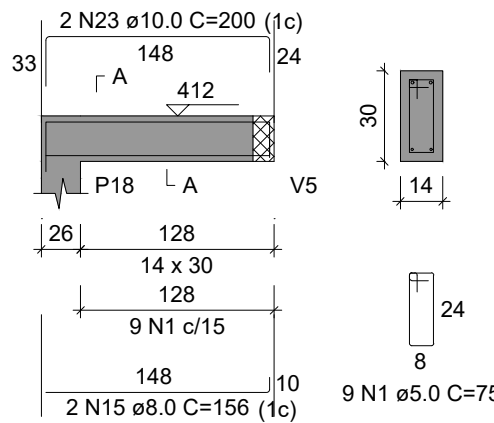


SEÇÃO A-A
ESC 1:25

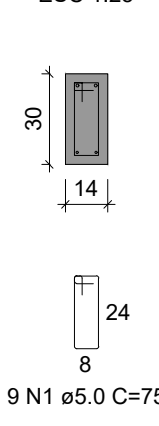


V9

ESC 1:50

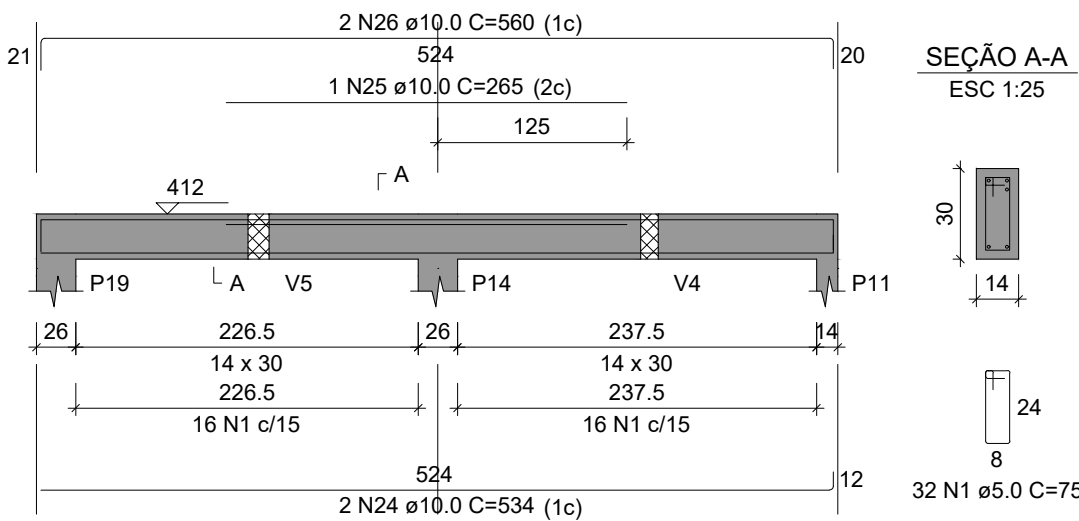


SEÇÃO A-A
ESC 1:25

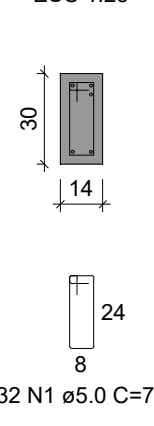


V10

ESC 1:50

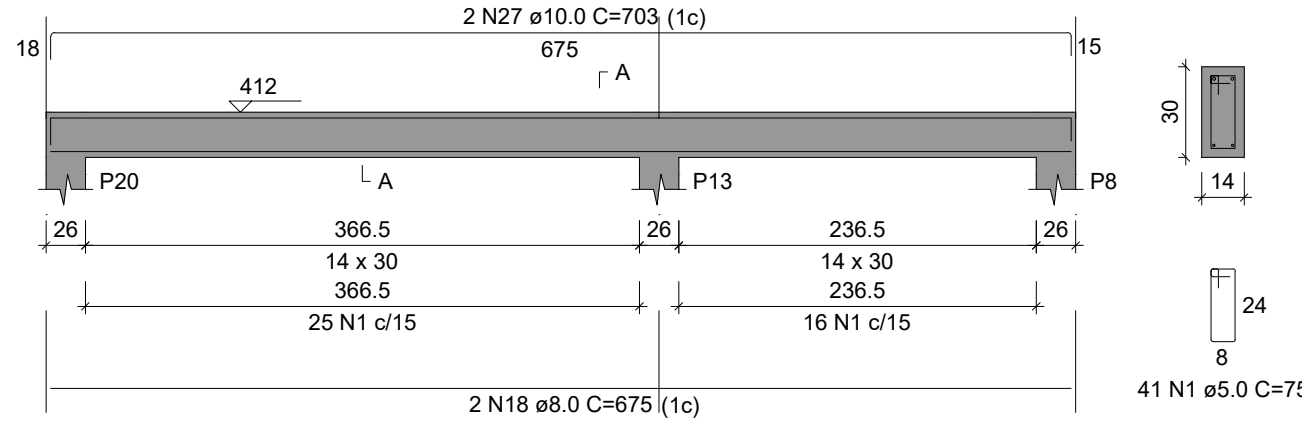


SEÇÃO A-A
ESC 1:25

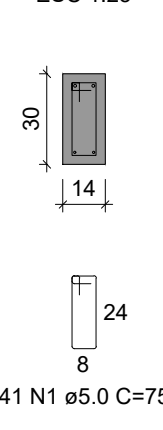


V12

ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	1	5.0	381	75	28575
V4	2	5.0	20	71	1420
V7	3	6.3	2	314	628
V10	4	6.3	2	351	702
	5	8.0	2	758	1516
	6	8.0	2	784	1568
	7	8.0	2	241	482
	8	8.0	2	267	534
	9	8.0	2	561	1122
	10	8.0	2	579	1158
	11	8.0	4	705	2820
	12	8.0	2	739	1478
	13	8.0	1	260	260
	14	8.0	2	745	1490
	15	8.0	2	156	312
	16	8.0	2	329	658
	17	8.0	2	363	726
	18	8.0	2	675	1350
	19	10.0	1	447	447
	20	10.0	2	765	1530
	21	10.0	1	377	377
	22	10.0	2	706	1412
	23	10.0	2	200	400
	24	10.0	2	534	1068
	25	10.0	1	265	265
	26	10.0	2	560	1120
	27	10.0	2	703	1406
	28	12.5	1	286	286
	29	12.5	2	792	1584
	30	12.5	2	688	1376

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)	PESO + 10% (kg)
CA50	6.3	13.3	3.26	3.6
	8.0	154.7	61.10	67.2
	10.0	80.3	49.54	54.4
	12.5	32.5	31.30	34.4
CA60	5.0	299.9	46.18	50.9
PESO TOTAL (kg)			PESO TOTAL (10%) (kg)	
CA50	145.2		CA50	159.6
CA60	46.18		CA60	50.9

Volume de concreto (C-25) = 2.42 m³

Área de forma = 22.84 m²

OBS: EMBUTIR LAJES DENTRO DAS VIGAS.

Obra **PROJETO DE CONSTRUÇÃO DE CENTRO DE IMUNIZAÇÃO DA PREFEITURA MUNICIPAL DE SÃO PEDRO DA UNIÃO**
RUA VEREDADOR JORGE JOSÉ, Nº S/N, NOVA SÃO PEDRO, SÃO PEDRO DA UNIÃO - MG

Responsável Técnico: **Higor Augusto Sabag de Paulo**
Eng. Civil - CREA MG-238.615/D
Proprietário: **Município de São Pedro da União**
CNPJ 18.666.172/0001-64

Projeto **ESTRUTURAS DE CONCRETO ARMADO**
Descrição: **VIGAS COBERTURA**
Observações: **ART: MG20232155585**
Folha: **14**
Data: **02/01/2024**
Escala: **INDICADAS**
Desenho: **Higor Sabag**
Conferência: **Higor Sabag**