

# ARMAÇÃO VIGAS TOPO - NÍVEL GARAGEM (NÍVEL +330)

## Relação do aço

DEPÓSITO:	V31	V32
	V33	V34
	V35	V36
	V37	V38
	V39	V40
	V41	V42
	V43	V44
GARAGEM:	V45	V140

ÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	528	81	42768
	2	5.0	91	75	6825
CA50	3	8.0	12	508	6096
	4	8.0	4	507	2028
	5	8.0	28	620	17360
	6	8.0	4	633	2532
	7	8.0	2	506	1012
	8	8.0	2	520	1040
	9	8.0	4	608	2432
	10	8.0	4	995	3980
	11	10.0	4	1043	4172

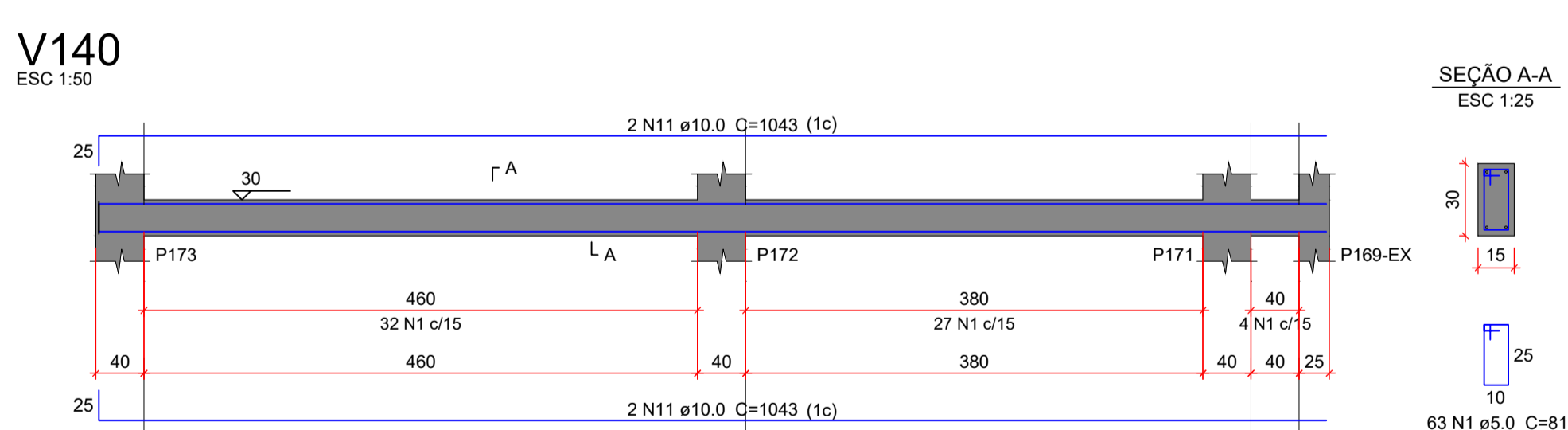
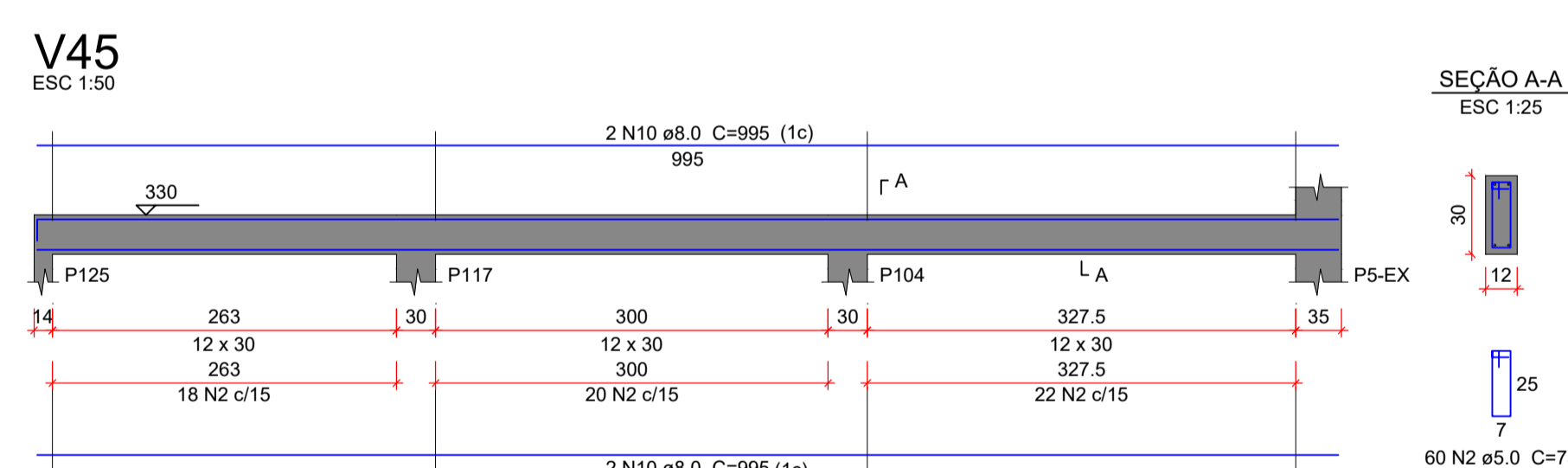
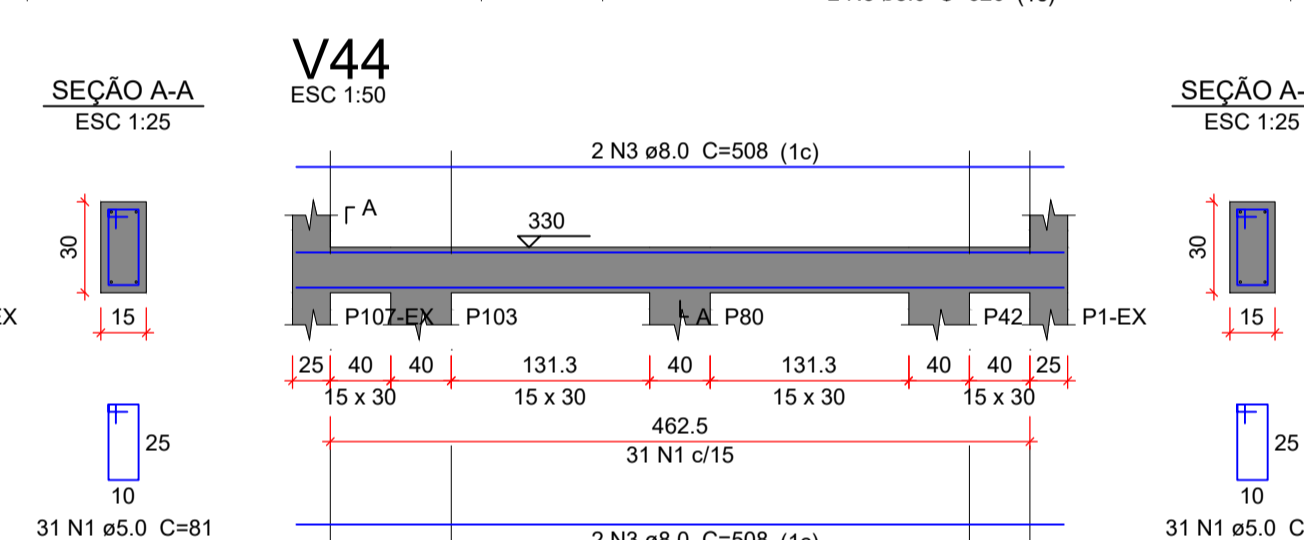
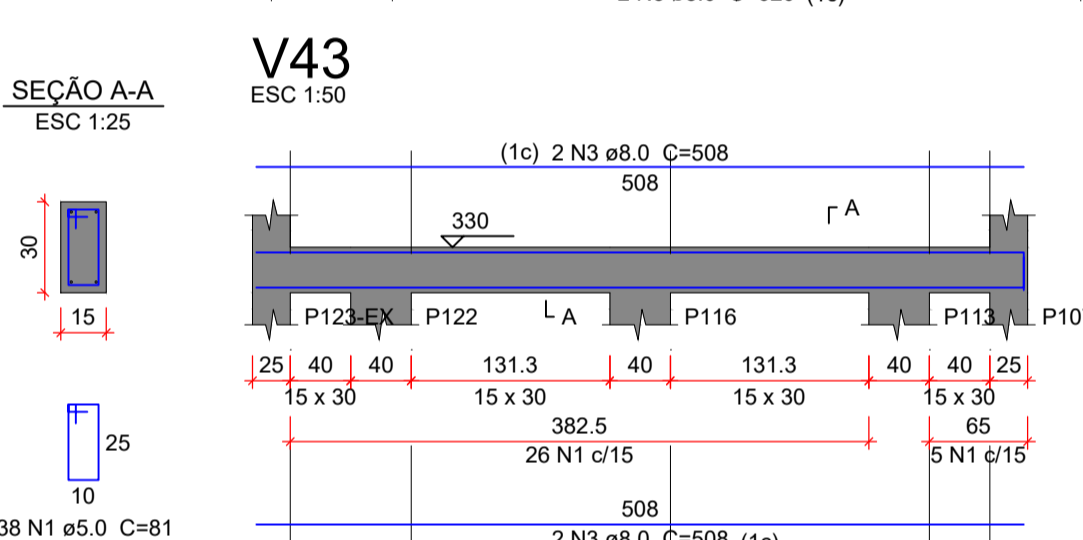
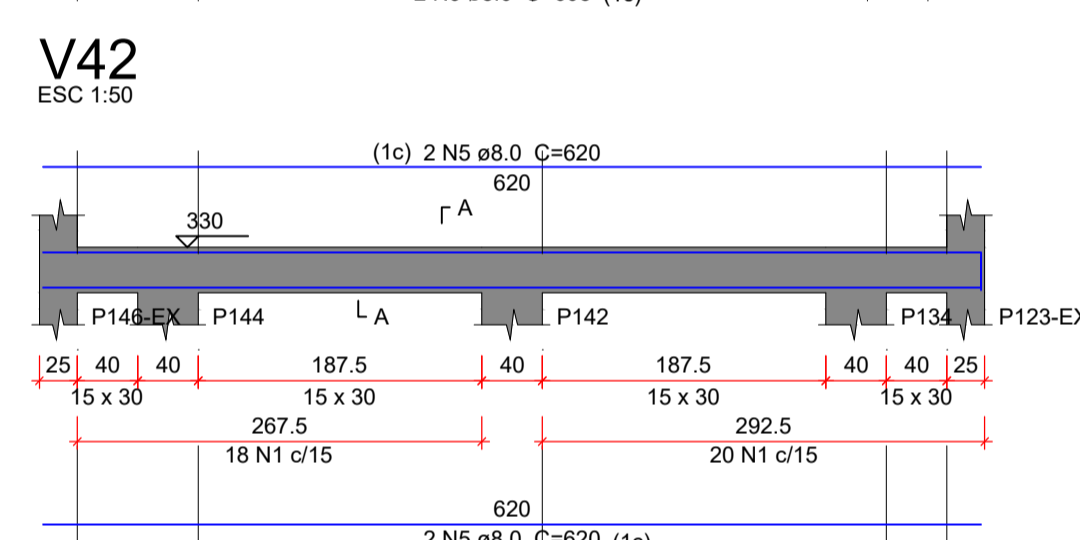
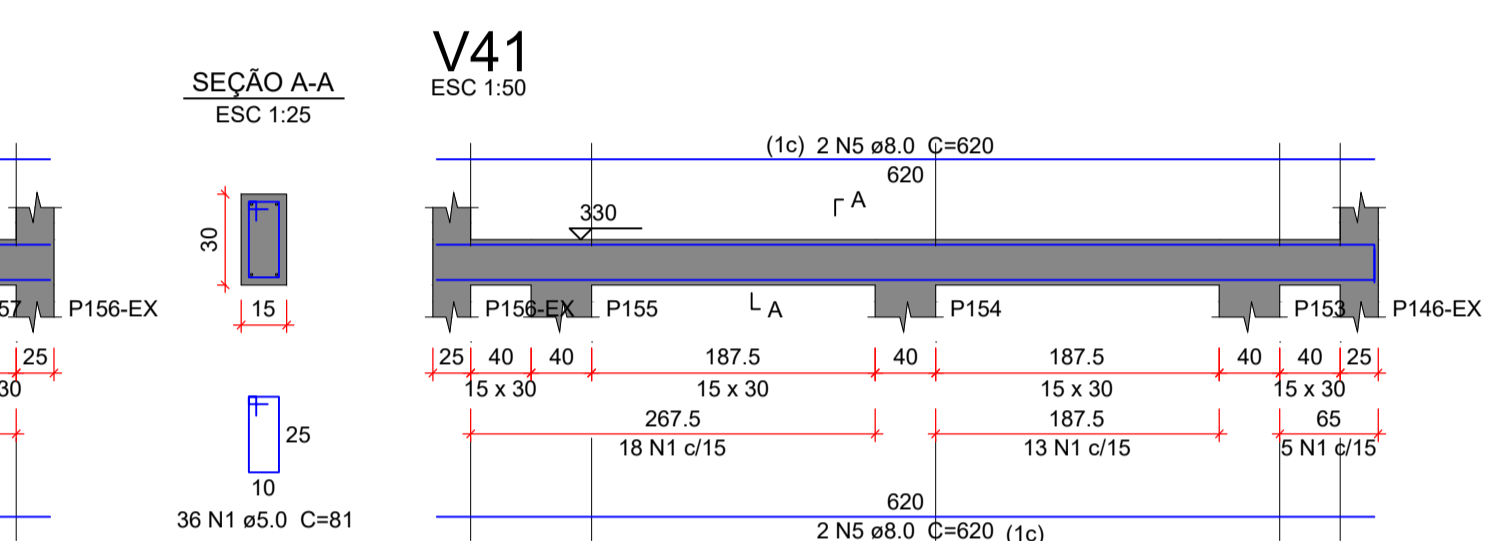
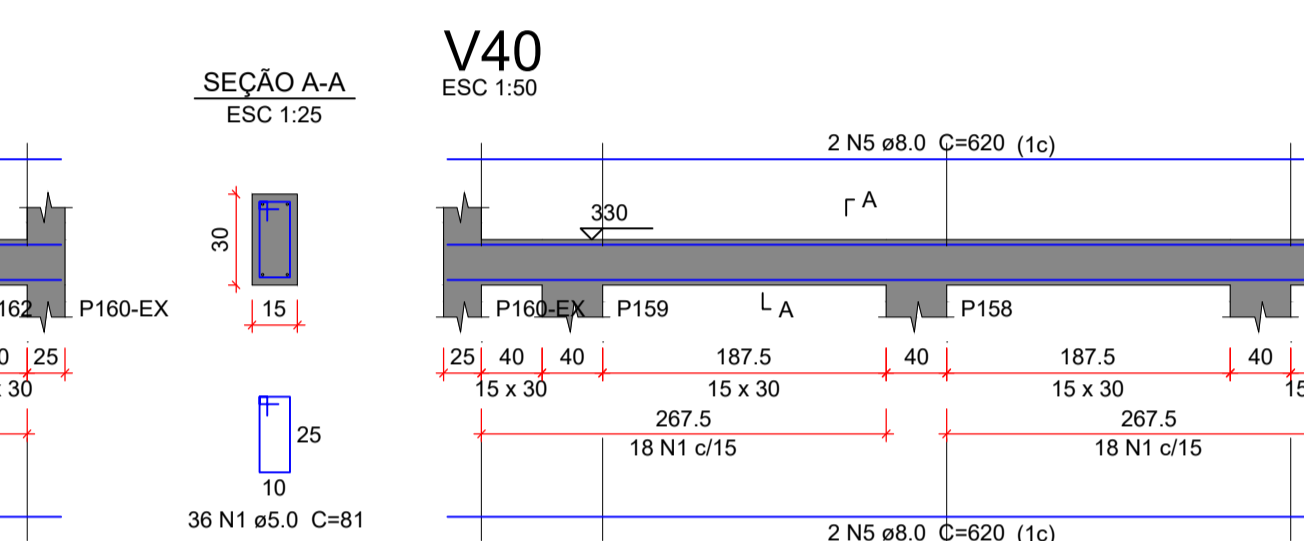
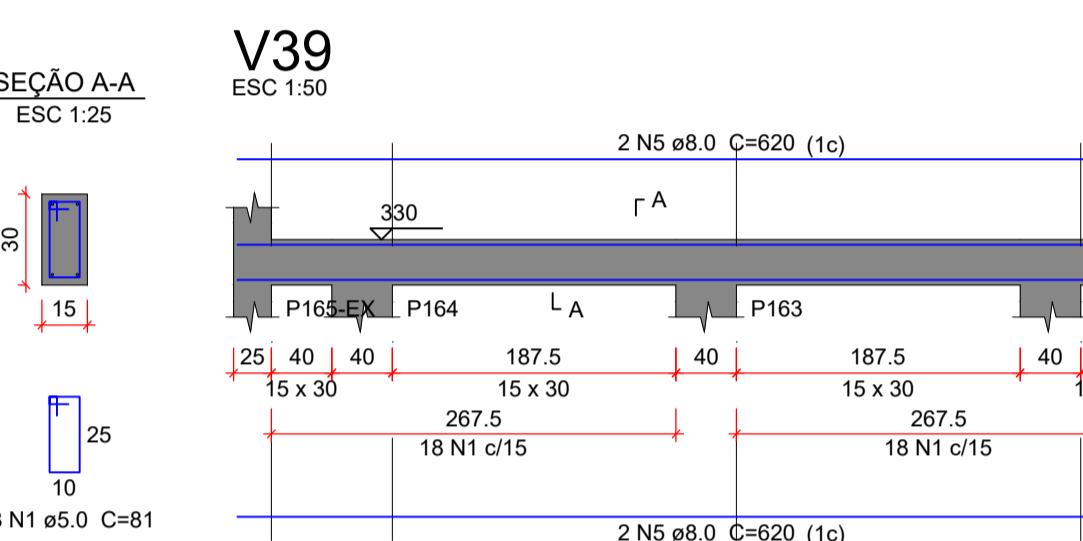
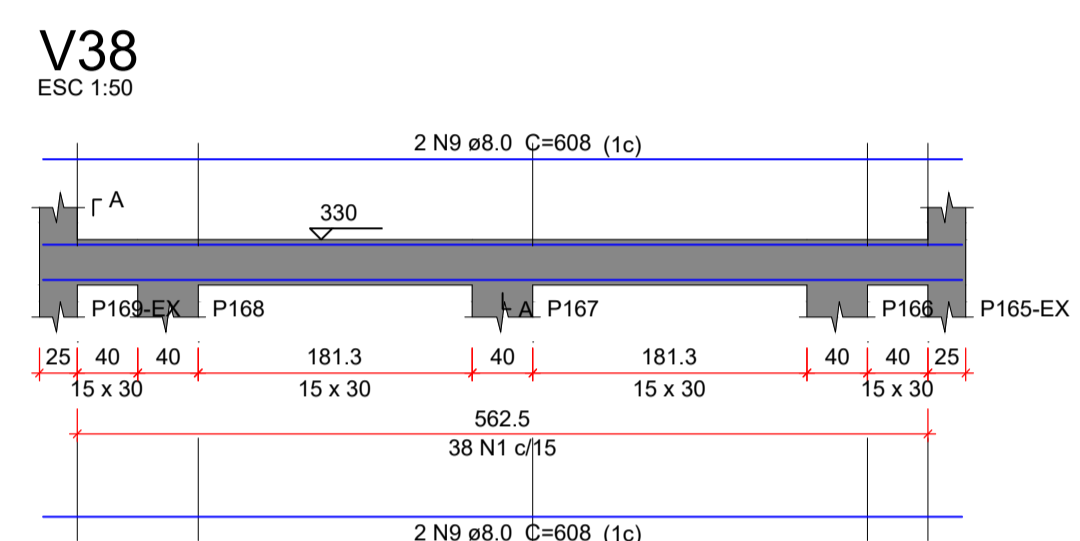
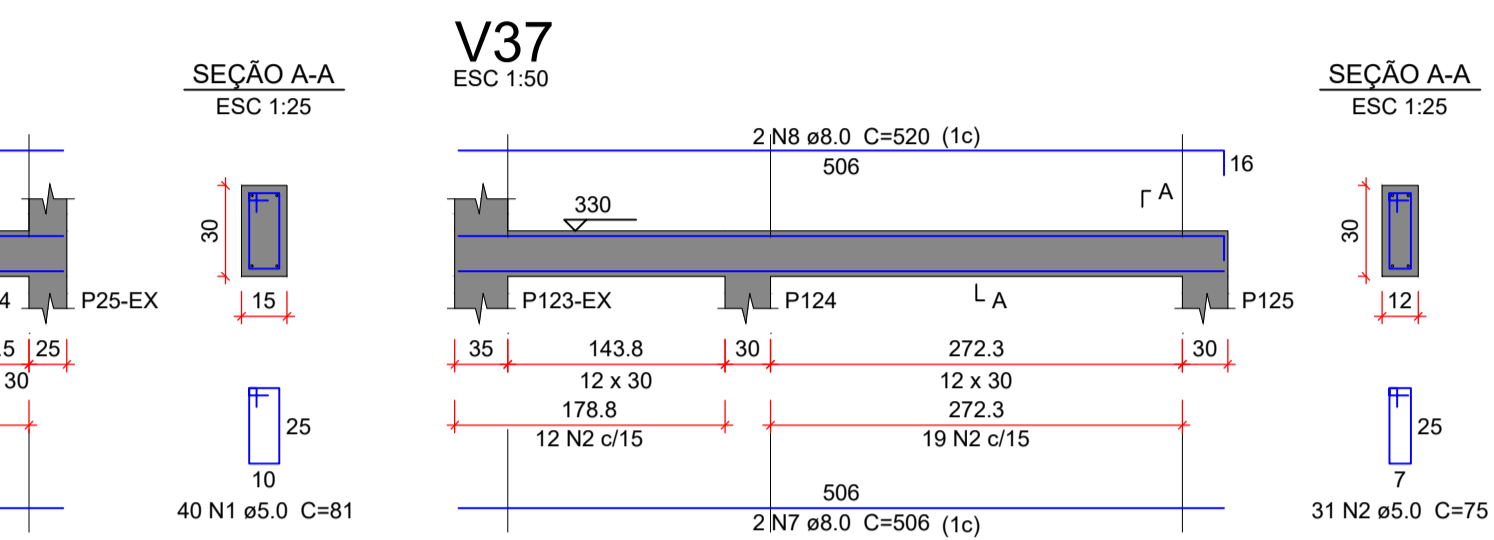
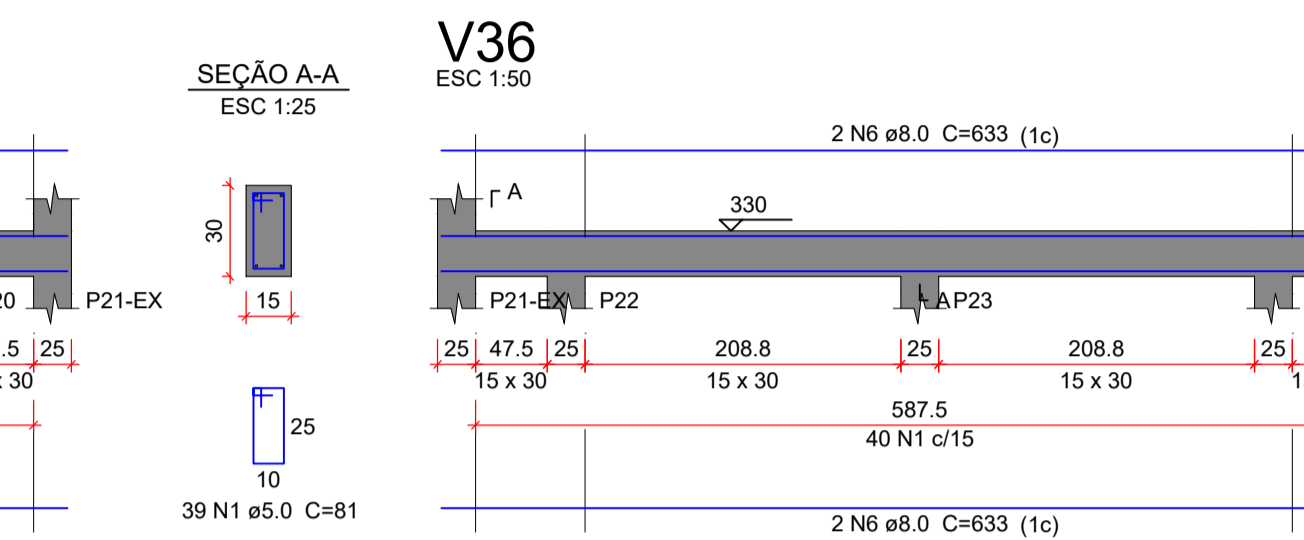
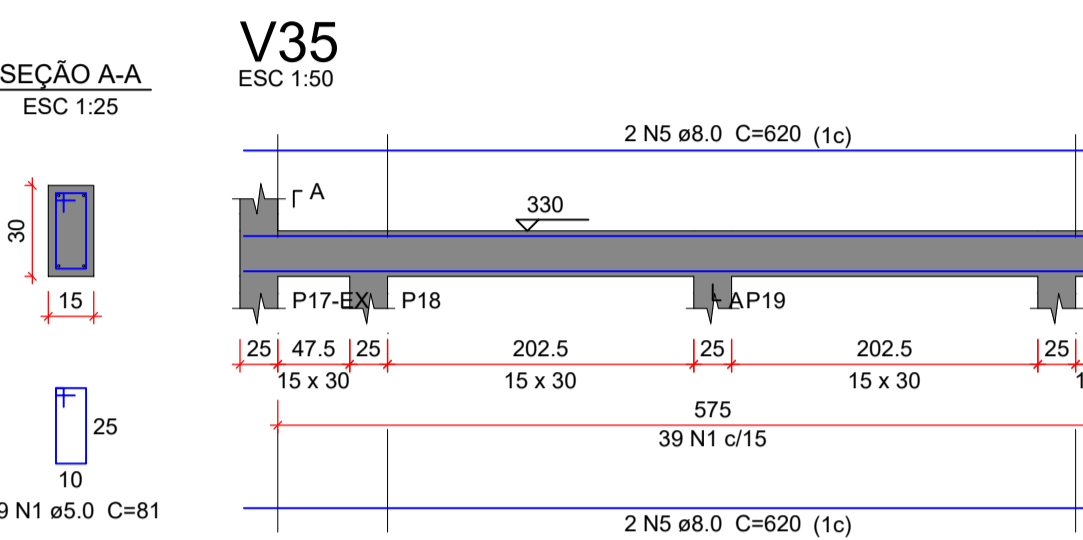
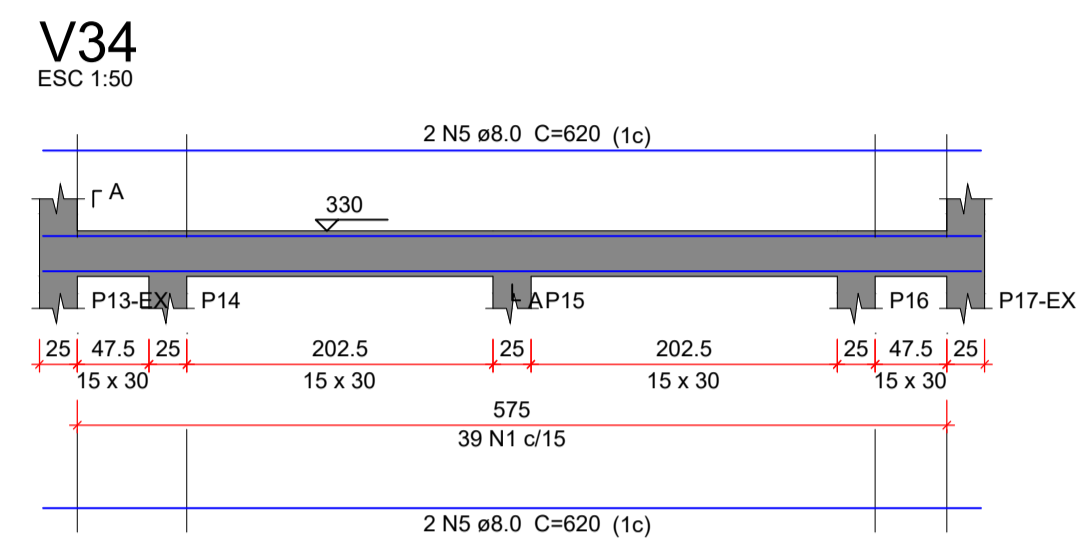
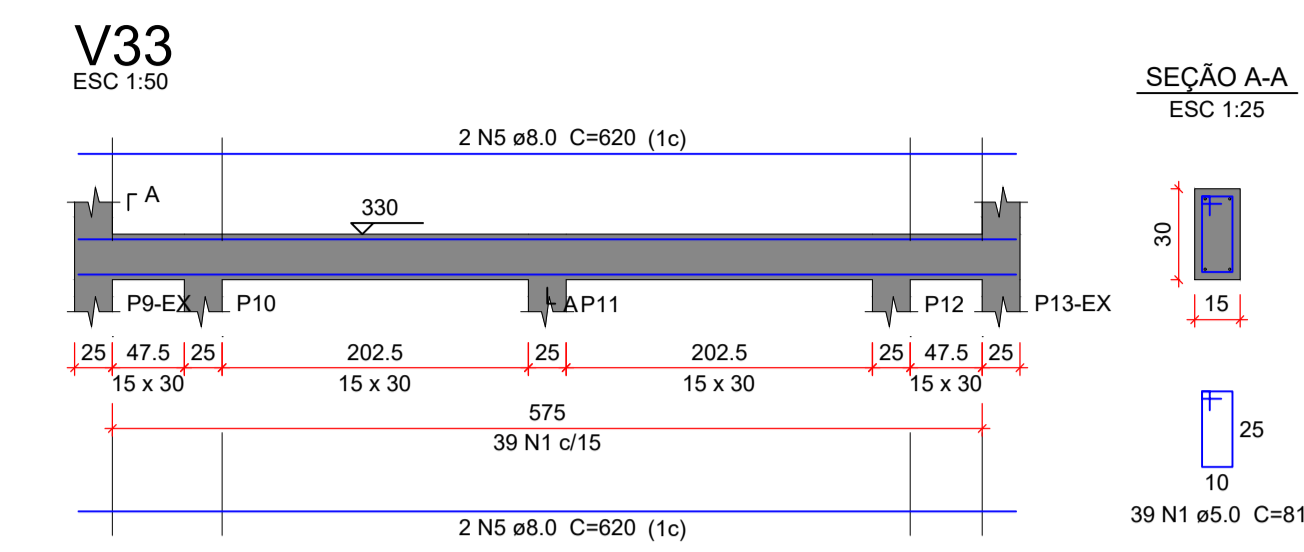
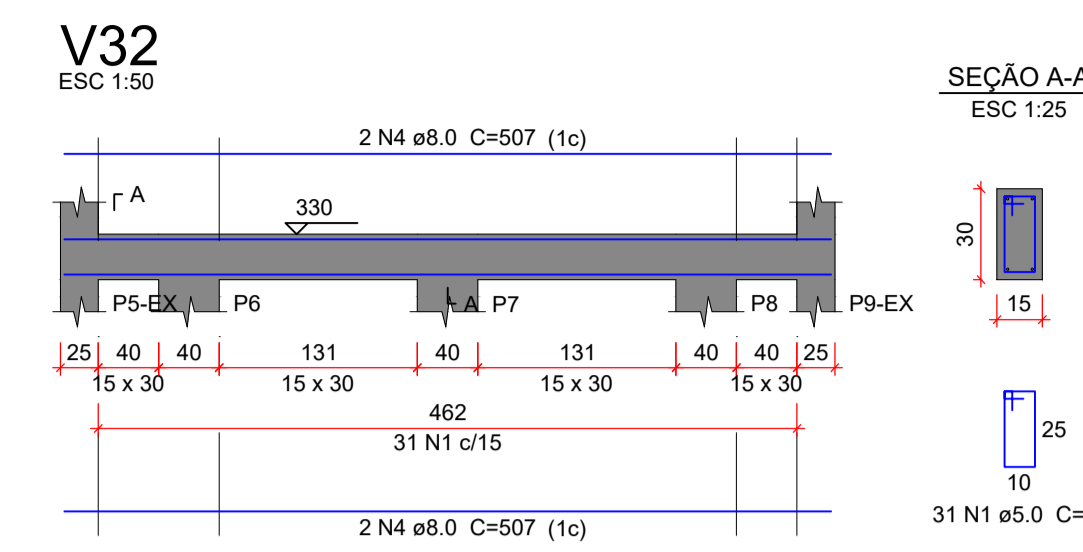
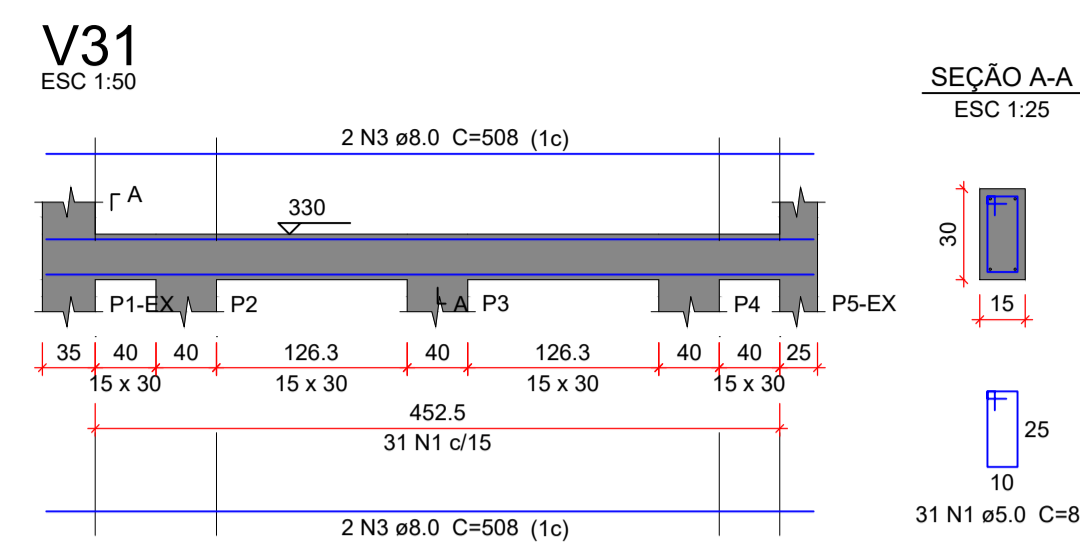
## Resumo do aço

ÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	364.8	158.3
CA60	10.0	41.8	28.3
	5.0	496	84.1

## PESO TOTAL (kg)

CA50	186.6
CA60	84.1

Volume de concreto (C-25) = 3.2 m<sup>3</sup>  
Área de forma = 54.98 m<sup>2</sup>



ORGÃOS PÚBLICOS

**PROJETO ESTRUTURAL**

TIPO DE EMPREENDIMENTO	DATA
PÚBLICO	JUN/2026
CONTEÚDO	PRANCHA
ARMAÇÃO DAS VIGAS DE TOPO (GARAGEM)	15/18

**PREFEITURA DO MUNICÍPIO DE MERCEDES**  
DEPARTAMENTO DE ENGENHARIA

RUA DR. OSVALDO CRUZ, 555 CEP 85998-000 MERCEDES-PR FONE: (45) 3256-8045

PROJETO: \_\_\_\_\_  
EXECUÇÃO: \_\_\_\_\_  
PROPRIETÁRIO: \_\_\_\_\_

ENG. CIVIL CRISTIAN COMIN  
CREA: PR-2145677/D

MUNICÍPIO DE MERCEDES  
CNPJ: 95.719.373/0001-23

OBRA: FECHAMENTO DE BARRAÇÃO PRÉ-MOLDADO  
LOCAL: AV. DR. MÁRIO TOTTA / LOTE Nº 18 / QUADRA Nº 03 / LOT. ZANCANELLA / MERCEDES - PR  
PROPRIETÁRIO: MUNICÍPIO DE MERCEDES