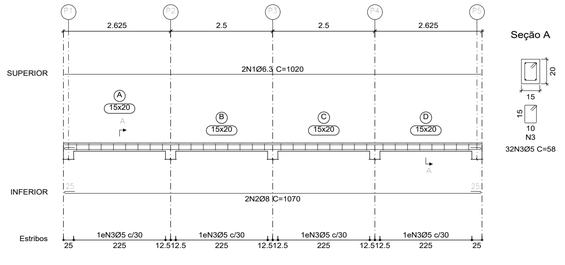
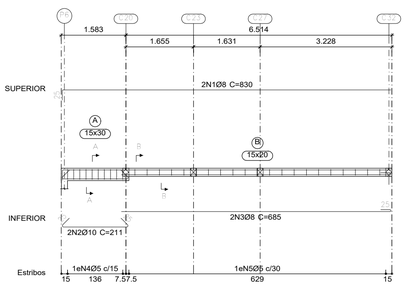
V 1
Escala vigas 1:75
Escala seções 1:25



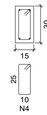
Seção A

32N3Ø5 C=58

V 2
Escala vigas 1:75
Escala seções 1:25

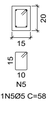


Seção A



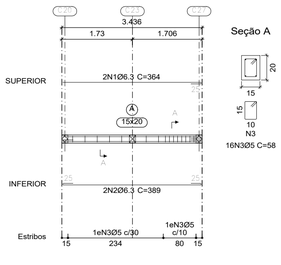
10N4Ø5 C=78

Seção B



21N5Ø5 C=58

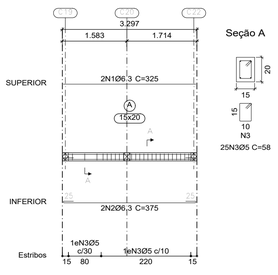
V 3
Escala vigas 1:75
Escala seções 1:25



Seção A

16N3Ø5 C=58

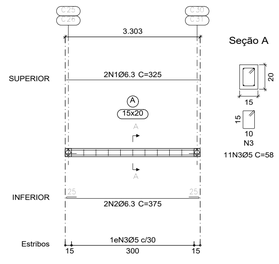
V 4
Escala vigas 1:75
Escala seções 1:25



Seção A

25N3Ø5 C=58

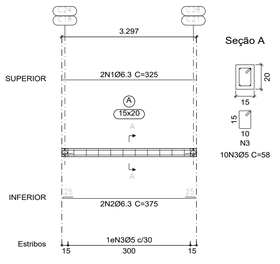
V 5=V 7
Escala vigas 1:75
Escala seções 1:25



Seção A

11N3Ø5 C=58

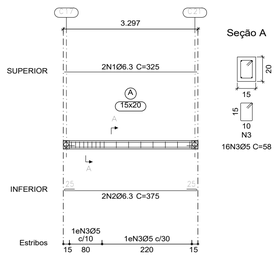
V 6=V 13
Escala vigas 1:75
Escala seções 1:25



Seção A

10N3Ø5 C=58

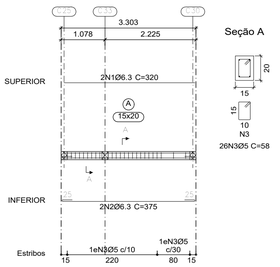
V 8
Escala vigas 1:75
Escala seções 1:25



Seção A

16N3Ø5 C=58

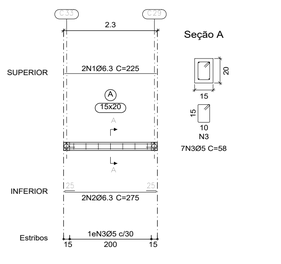
V 9
Escala vigas 1:75
Escala seções 1:25



Seção A

26N3Ø5 C=58

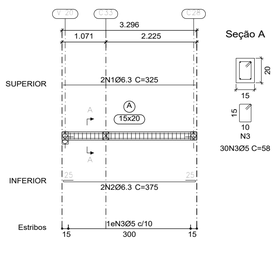
V 10
Escala vigas 1:75
Escala seções 1:25



Seção A

7N3Ø5 C=58

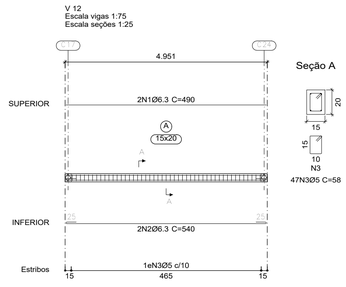
V 11
Escala vigas 1:75
Escala seções 1:25



Seção A

30N3Ø5 C=58

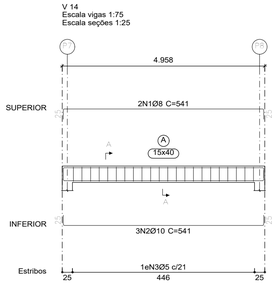
V 12
Escala vigas 1:75
Escala seções 1:25



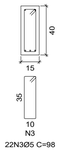
Seção A

47N3Ø5 C=58

V 14
Escala vigas 1:75
Escala seções 1:25

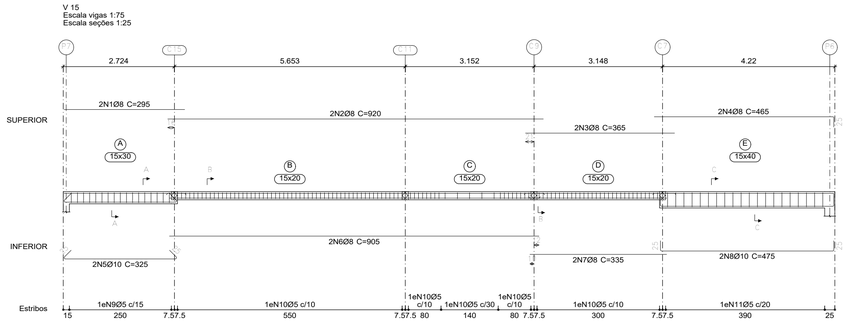


Seção A

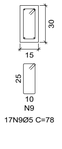


22N3Ø5 C=98

V 15
Escala vigas 1:75
Escala seções 1:25

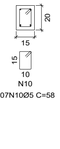


Seção A



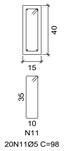
17N9Ø5 C=78

Seção B



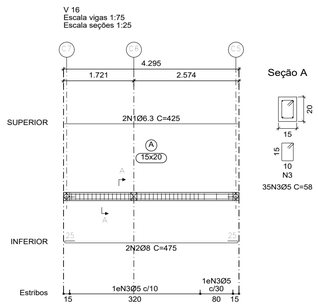
107N10Ø5 C=58

Seção C



20N11Ø5 C=98

V 16
Escala vigas 1:75
Escala seções 1:25



Seção A

35N3Ø5 C=58

TÉRREO
Desenho de vigas
Concreto: C25, usina,rigor
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:75
Escala seções 1:25
Escala aberturas 1:25

Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø6.3	290.6	78	
	Ø8	204.9	89	
	Ø10	77.8	53	220
CA-60	Ø5	495.8	86	86
Total				306

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	Ø6.3	2	1020	1020	2040	5.0	
	2	Ø8	2	25 1020 25	1070	2140	8.4	
	3	Ø5	32	15 5 10	58	1856		2.9
						Total+10%:	14.7	3.2
V 2	1	Ø8	2	N1 805	830	1660	6.6	
	2	Ø10	2	161	211	422	2.6	
	3	Ø8	2	660 25	685	1370	5.4	
	4	Ø5	10	25 5 10	78	780		1.2
	5	Ø5	21	15 5 10	58	1218		1.9
						Total+10%:	16.1	3.4
V 3	1	Ø6.3	2	339 25	364	728	1.8	
	2	Ø6.3	2	25 339 25	389	778	1.9	
	3	Ø5	16	15 5 10	58	928		1.5
						Total+10%:	4.1	1.7
V 4	1	Ø6.3	2	325	325	650	1.6	
	2	Ø6.3	2	25 325 25	375	750	1.8	
	3	Ø5	25	15 5 10	58	1450		2.3
						Total+10%:	3.7	2.5
V 5=V 7	1	Ø6.3	2	325	325	650	1.6	
	2	Ø6.3	2	25 325 25	375	750	1.8	
	3	Ø5	11	15 5 10	58	638		1.0
						Total+10%:	3.7	1.1
						(x2):	7.4	2.2
V 6=V 13	1	Ø6.3	2	325	325	650	1.6	
	2	Ø6.3	2	25 325 25	375	750	1.8	
	3	Ø5	10	15 5 10	58	580		0.9
						Total+10%:	3.7	1.0
						(x2):	7.4	2.0
V 8	1	Ø6.3	2	325	325	650	1.6	
	2	Ø6.3	2	25 325 25	375	750	1.8	
	3	Ø5	16	15 5 10	58	928		1.5
						Total+10%:	3.7	1.7
V 9	1	Ø6.3	2	320	320	640	1.6	
	2	Ø6.3	2	25 325 25	375	750	1.8	
	3	Ø5	26	15 5 10	58	1508		2.4
						Total+10%:	3.7	2.6
V 10	1	Ø6.3	2	225	225	450	1.1	
	2	Ø6.3	2	25 225 25	275	550	1.3	
	3	Ø5	7	15 5 10	58	406		0.6
						Total+10%:	2.6	0.7
V 11	1	Ø6.3	2	325	325	650	1.6	
	2	Ø6.3	2	25 325 25	375	750	1.8	
	3	Ø5	30	15 5 10	58	1740		2.7
						Total+10%:	3.7	3.0
V 12	1	Ø6.3	2	490	490	980	2.4	
	2	Ø6.3	2	25 490 25	540	1080	2.6	
	3	Ø5	47	15 5 10	58	2726		4.3
						Total+10%:	5.5	4.7
V 14	1	Ø8	2	491	541	1082	4.3	
	2	Ø10	3	491	541	1623	10.0	
	3	Ø5	22	35 5 10	98	2156		3.4
						Total+10%:	15.7	3.7
V 15	1	Ø8	2	295	295	590	2.3	
	2	Ø8	2	920	920	1840	7.3	
	3	Ø8	2	365	365	730	2.9	
	4	Ø8	2	440	465	930	3.7	
	5	Ø10	2	275	325	650	4.0	
	6	Ø8	2	905	905	1810	7.1	
	7	Ø8	2	335	335	670	2.6	
	8	Ø10	2	424	475	950	5.9	
	9	Ø5	17	35 5 10	78	1326		2.1
	10	Ø5	107	15 5 10	58	6206		9.7
	11	Ø5	20	35 5 10	98	1960		3.1
						Total+10%:	39.4	16.4
V 16	1	Ø6.3	2	425	425	850	2.1	
	2	Ø8	2	25 425 25	475	950	3.8	
	3	Ø5	35	15 5 10	58	2030		3.2
						Total+10%:	6.5	3.5
						Ø5:	0.0	51.3
						Ø6.3:	49.6	0.0
						Ø8:	59.8	0.0
						Ø10:	24.8	0.0
						Total:	134.2	51.3

PROJETO ESTRUTURAL - PSF - PINHALZINHO

ESTRUTURAL - DESENHO DE VIGAS DO RESPALDO DO PAV. TÉRREO

LOCAL: BAIRRO DO PINHALZINHO
MUNICÍPIO: ITAPEVA-MG
DATA: AGOSTO / 2026
ESCALA: 1: 50

SECRETARIA MUNICIPAL DE OBRAS:
PREFEITURA MUNICIPAL DE ITAPEVA-MG

PEDRO LUIZ BARBOSA
ENGENHEIRO CIVIL
CREA 506145512/D

FOLHA Nº 09/10