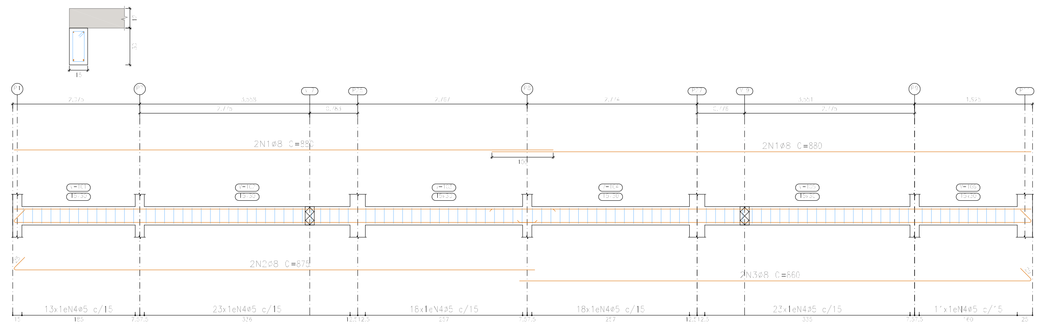
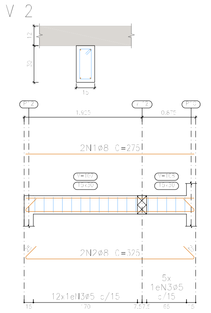
Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 13	1	ø8	4		435	1740	7.3	
	2	ø10	2		525	1275	2.9	
	3	ø5	21		38	2294		3.3
						Total=14.C	10.2	3.3
						ø5:	0.0	3.3
						ø8:	8.0	0.0
						ø10:	2.2	0.0
						Total:	10.2	3.3

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	ø8	4		880	3520	13.9	
	2	ø8	2		875	1750	6.9	
	3	ø8	4		860	3440	13.6	
	4	ø5	104		78	8086		13.0
						Total=10%	30.4	14.3
V 2	1	ø8	2		275	550	2.2	
	2	ø8	2		725	1450	5.8	
	3	ø5	17		78	1326		2.1
						Total=10%	5.3	2.3
V 3	1	ø8	2		325	650	2.6	
	2	ø5	17		78	1249		2.0
						Total=10%	5.6	2.2
V 4	1	ø8	4		880	3520	13.9	
	2	ø8	2		875	1750	6.9	
	3	ø8	4		860	3440	13.6	
	4	ø5	104		78	8112		12.7
						Total=10%	30.4	14.0
V 5	1	ø8	4		795	3180	12.6	
	2	ø5	61		78	4686		5.6
						Total=10%	13.9	6.2
V 6	1	ø8	2		195	390	1.5	
	2	ø8	2		275	550	2.2	
	3	ø10	2		250	500	1.1	
	4	ø8	4		795	3180	12.6	
	5	ø8	2		240	480	1.9	
	6	ø8	2		220	440	1.8	
	7	ø5	41		98	3920		6.2
						Total=10%	17.9	6.8
V 7	1	ø8	2		190	380	1.5	
	2	ø8	2		745	1490	5.9	
	3	ø8	4		795	3180	12.6	
	4	ø5	61		78	3810		5.5
						Total=10%	15.1	6.1
V 8	1	ø10	2		200	400	1.0	
	2	ø10	2		786	1572	3.7	
	3	ø10	2		275	550	1.3	
	4	ø10	2		795	1590	3.8	
	5	ø8	2		195	390	1.5	
	6	ø10	2		750	1500	3.5	
	7	ø5	41		98	4410		6.5
						Total=10%	35.5	7.2
V 9	1	ø8	2		190	380	1.5	
	2	ø8	2		185	370	1.5	
	3	ø8	2		745	1490	5.9	
	4	ø8	4		795	3180	12.6	
	5	ø5	41		78	3510		5.5
						Total=10%	15.1	6.1
V 10	1	ø10	2		210	420	1.0	
	2	ø8	2		770	1540	6.1	
	3	ø8	4		795	3180	12.6	
	4	ø10	2		275	550	1.3	
	5	ø5	41		98	4510		6.2
						Total=10%	18.4	6.8
V 11	1	ø8	2		200	400	1.6	
	2	ø8	2		225	450	1.8	
	3	ø5	16		78	1366		1.2
						Total=10%	3.7	1.3
V 12	1	ø8	2		175	350	1.4	
	2	ø8	2		225	450	1.8	
	3	ø5	16		78	1366		1.2
						Total=10%	3.7	1.3
						ø5:	2.0	4.6
						ø8:	57.1	0.0
						ø10:	30.9	0.0
						ø12.5:	5.8	0.0
						ø16:	6.0	0.0
						Total:	34.8	4.6

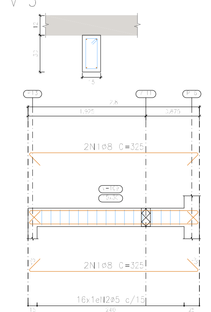
V 1



V 2



V 3



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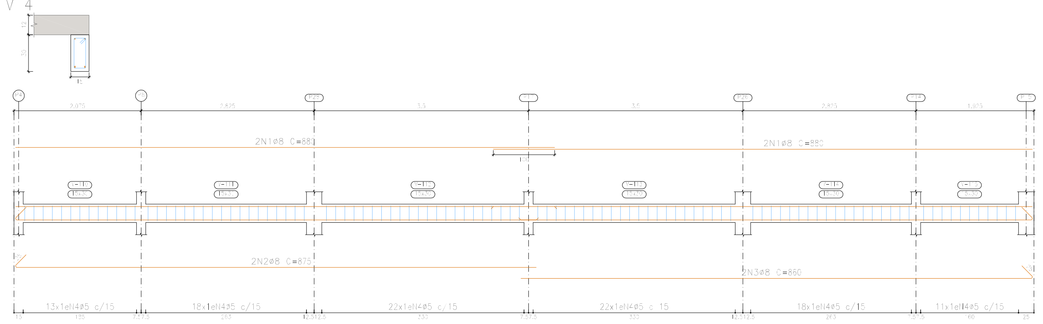
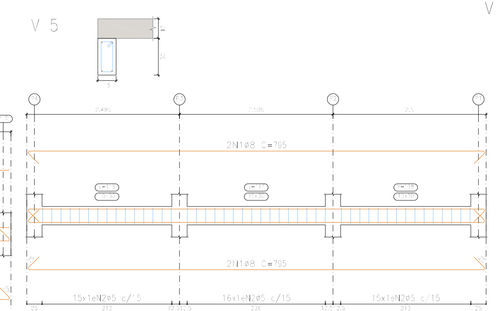
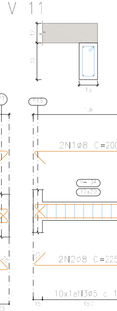


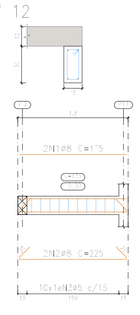
V 5



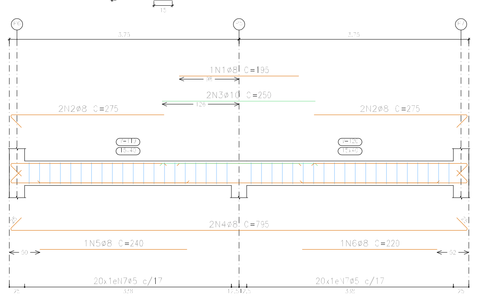
V 11



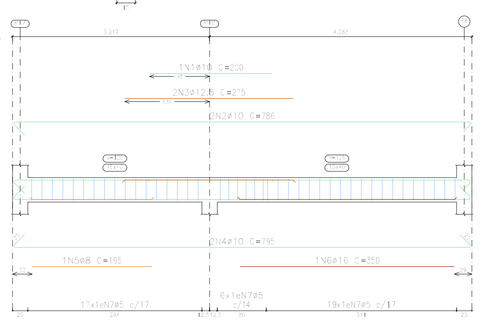
V 12



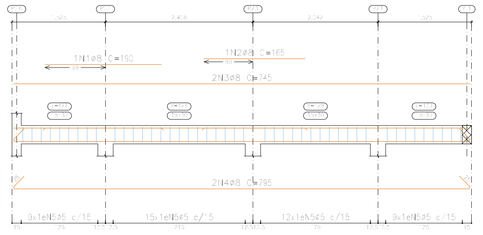
V 6



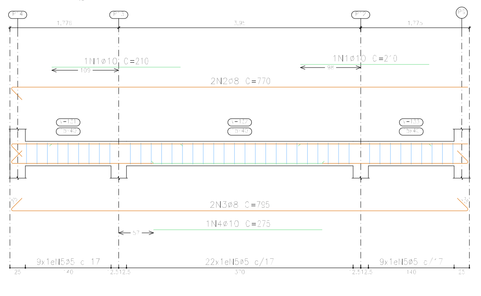
V 8



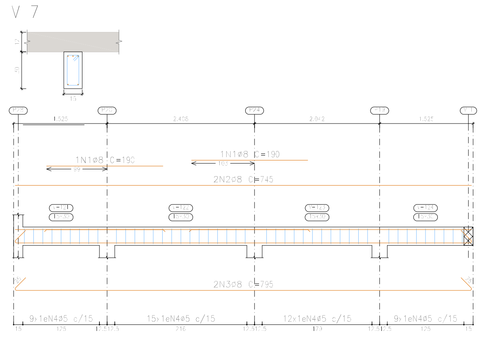
V 9



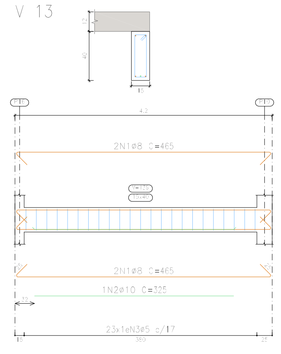
V 10

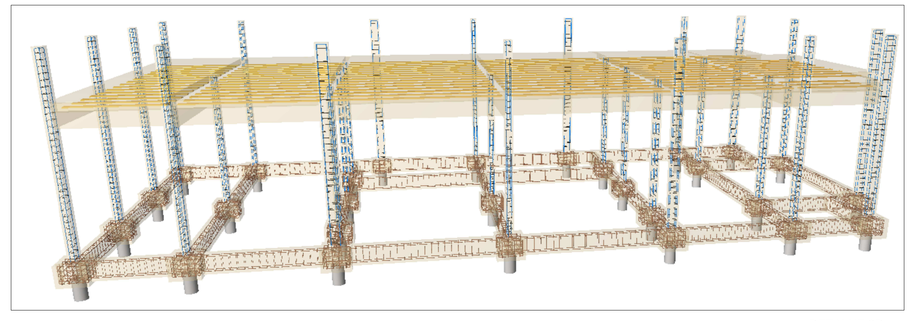


V 7



V 13





DETALHE 3D
Sem Escala

COBERTURA
Desenho de vigas
Concreto: C20, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:25
Escala detalhes 1:25

Arq. Paulo Vasques
CAU A20591-0
Projetos/Obras

APROVADO
PREFEITURA MUNICIPAL DE HORTOLÂNDIA
SMOSU - Departamento de Projetos e Aprovação

PREFEITURA MUNICIPAL DE HORTOLÂNDIA

ADMINISTRAÇÃO
ÂNGELO PERUGINI
2017-2020

COORDENAÇÃO: SÉRGIO MARASCO TORRECILAS - SECRETÁRIO MUNICIPAL DE OBRAS

COORDENAÇÃO TÉCNICA: ISABEL CRISTINA LAUREANO - DIRETORA DE PROJETOS E ORÇAMENTOS

VISTO

OBRA/OBJETO: CONSTRUÇÃO DE VESTIÁRIO - CAMPO DO JARDIM SANTIAGO

LOCAL: RUA CEARÁ - JARDIM SANTIAGO - HORTOLÂNDIA -SP

TÍTULO: PROJETO ESTRUTURAL - DETALHAMENTO DE VIGAS

AUTOR DO PROJETO	CAU/CREA	ART/ART	FOLHA
CLAYTON FLÁVIO BERIGO - ENG. CIVIL	5069435090	28027230200507236	03/05

ESCALAS	DESENHOS	REVISÃO	PROCESSO	DATA
INDICADAS				MARÇO/ 2020