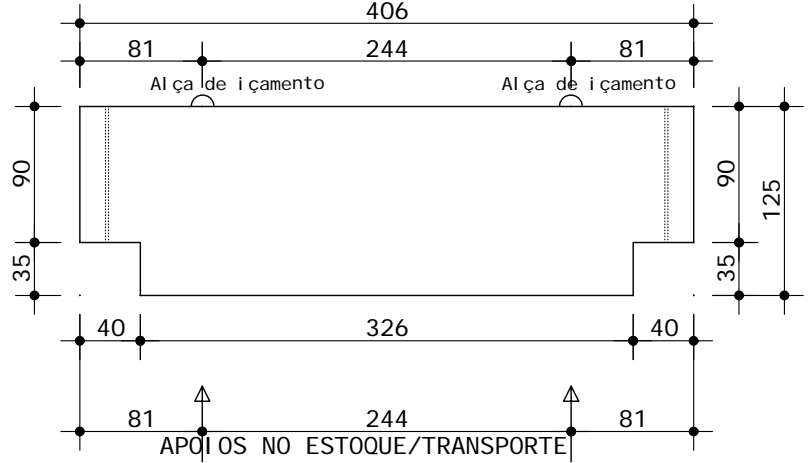
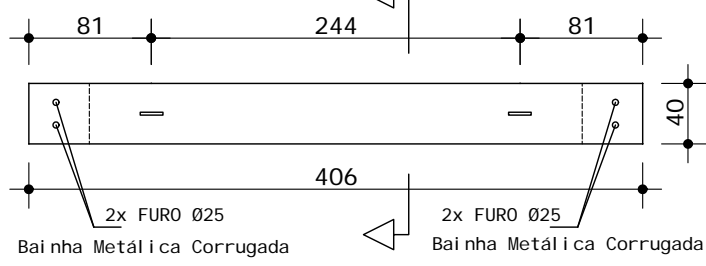


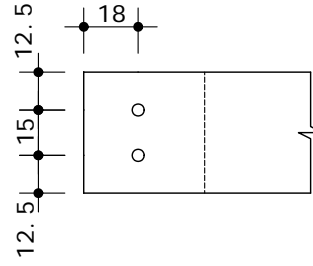
VP109
ELEVÇÃO



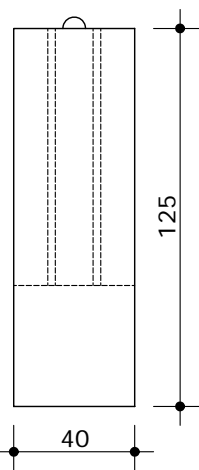
PLANTA



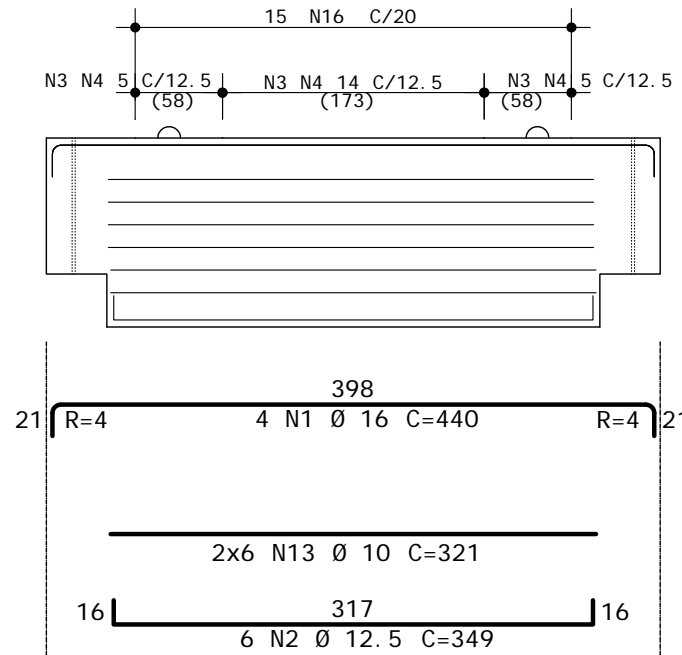
FUROS INICIAIS
(25 mm)



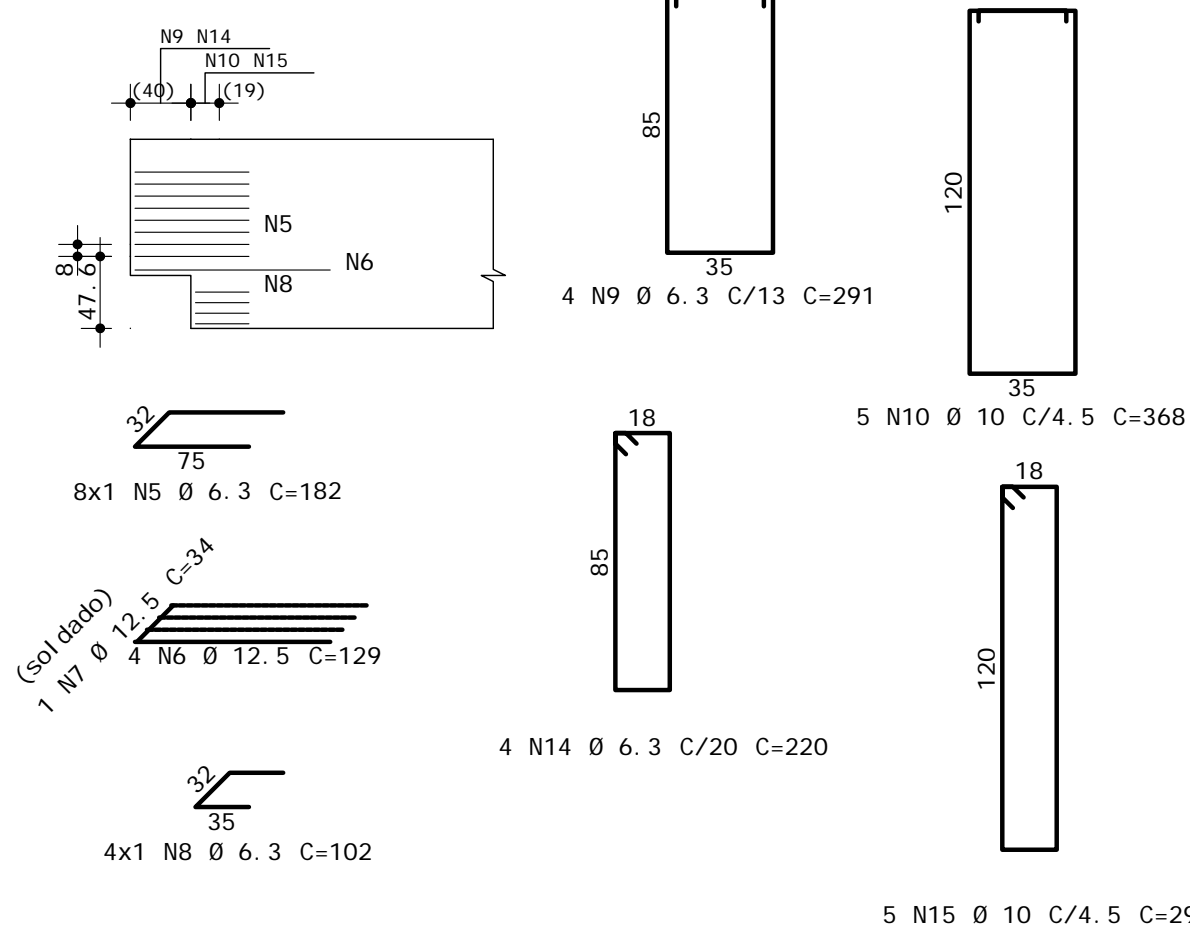
SEÇÃO



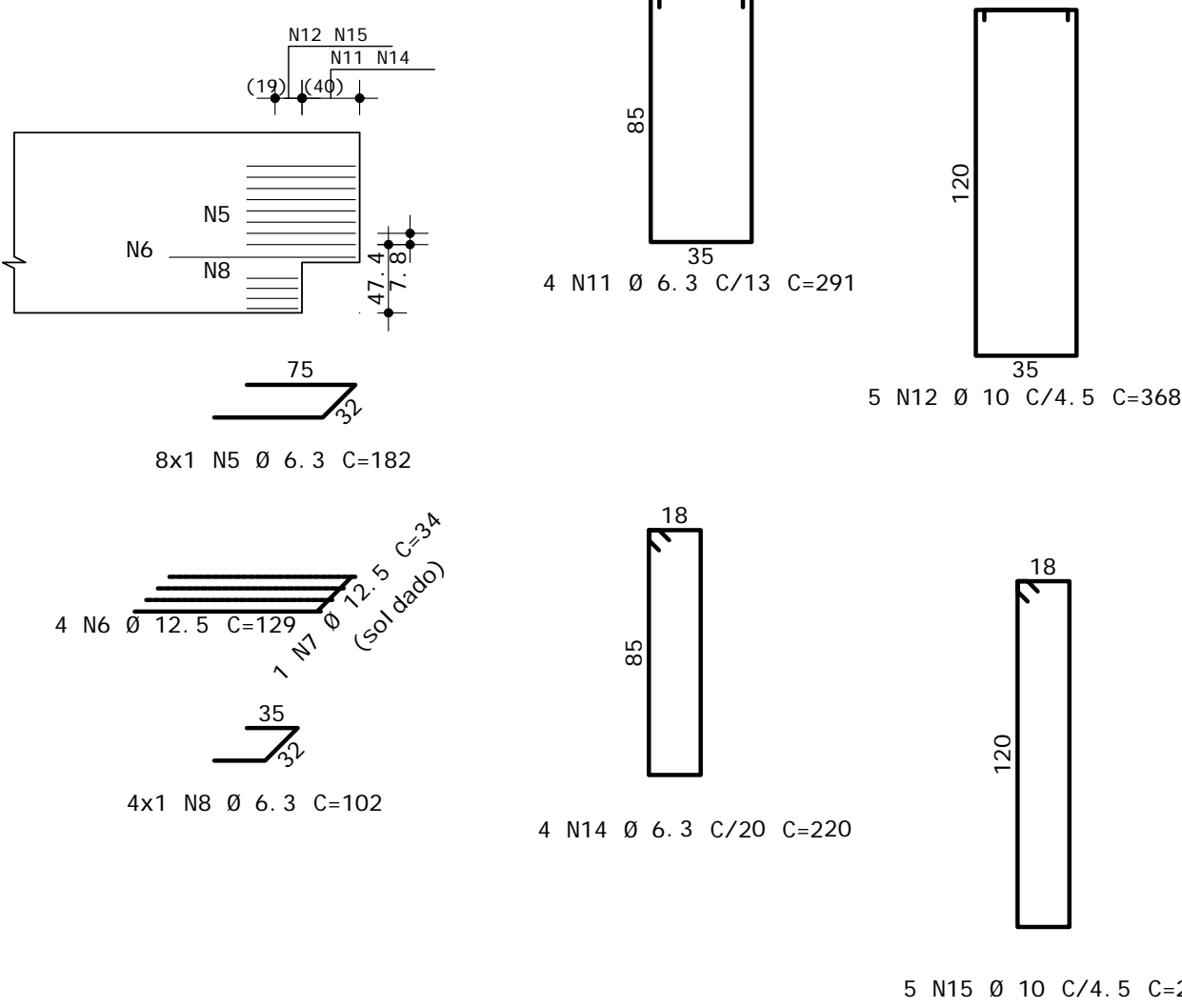
VP109



DETALHE INICIAL



DETALHE FINAL



	AÇO	POS	BI T	QUANT	COMPRI MENTO		
					UNI T	TOTAL	
VP109	(X2)		mm		cm	cm	
		50A	1	16	8	440	3520
		50A	2	12,5	12	349	4188
		50A	3	6,3	48	336	16128
		50A	4	6,3	48	302	14496
		50A	5	6,3	32	182	5824
		50A	6	12,5	16	129	2064
		50A	7	12,5	4	34	136
		50A	8	6,3	16	102	1632
		50A	9	6,3	8	291	2328
		50A	10	10	10	368	3680
		50A	11	6,3	8	291	2328
		50A	12	10	10	368	3680
		50A	13	10	24	321	7704
		50A	14	6,3	16	220	3520
		50A	15	10	20	293	5860
		50A	16	6,3	30	135	4050

RESUMO DE AÇO			
AÇO	BI T mm	COMPR m	PESO kgf
50A	6.3	503	123
50A	10	209	129
50A	12.5	64	62
50A	16	35	56
Peso Total +10%			50A = 406 kgf

CDHU		
ENG. FERNANDO AREVALLO LLATA	SUP. PROJETOS	
ARG. ANA MARIA ANTUNES COELHO	GERENTE	
ARG. LUIZ GUSTAVO DELLA NOCE	LIDER	
ARG. ALBERTO BUNDUKI	GESTOR	RRT S110439392100
APOIO CDHU		
JHE		
ENG. LUIZ ROBERTO GUIMARÃES	COORDENADOR	ART 28027230210176563
JHE + GEPRO		
ENG. GERRIVAN DE OLIVEIRA	DESENVOLVIMENTO	ART 28027230211455797
LEGENDA / NOTAS		

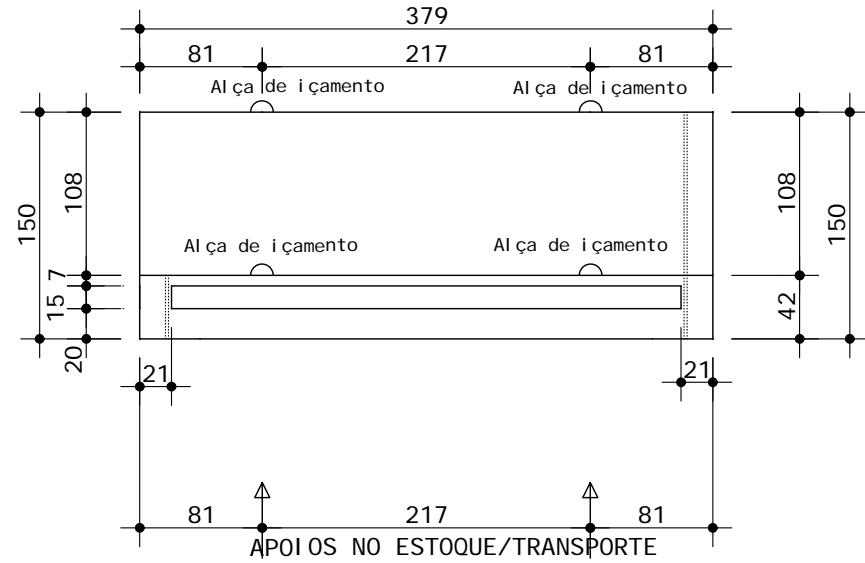
NOTAS :

- 1- MEDIDAS EM MILÍMETRO, NÍVEIS EM METRO
- 2- CARACTERÍSTICAS DO CONCRETO ESTRUTURAL (CAA II):
VIGAS PRÉ FABRICADAS - fck> 40 MPa - Ecs >30,1 GPa;
PILARES PRÉ FABRICADOS - fck> 40 MPa - Ecs >30,1 GPa;
CONCRETO MOLDADO IN LOCO - fck> 30 MPa - Ecs >36,1 GPa;
EXECUTAR O GRAUTEAMENTO DA INTERFACE DAS VIGAS, PILARES E LAJES ALVEOLARES COM O MATERIAL:
GRAUTE:
- fck > 40 MPa
- ISENTOS DE RETRAÇÃO,
- FLUIDEZ ADEQUADA PARA PERFEITO PREENCHIMENTO DO VÃO ENTRE OS ELEMENTOS.
- 3- ELASTÔMERO SIMPLES e=10mm, DUREZA 70 SHORE-A.
COBRIMENTO = 2,5 CM.

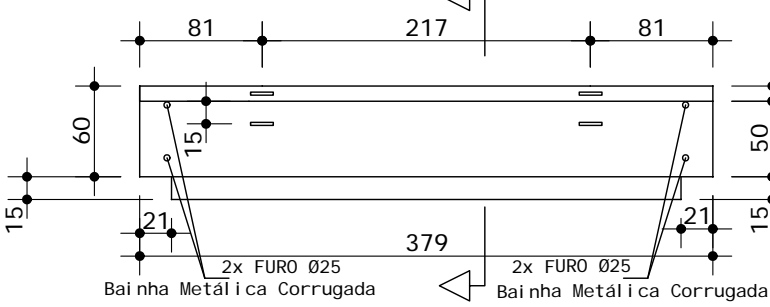
REVISÕES (DISCRIMINAÇÃO)	Nº	DATA	RUBRICA

VP102

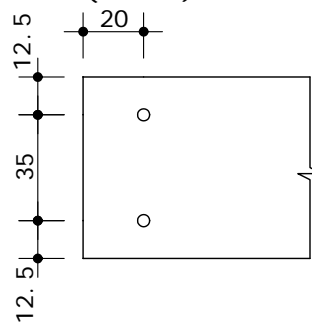
ELEVÇÃO



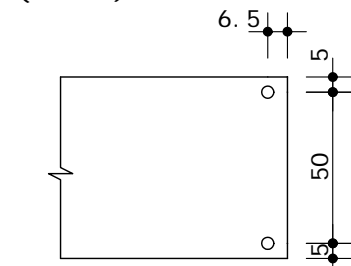
PLANTA



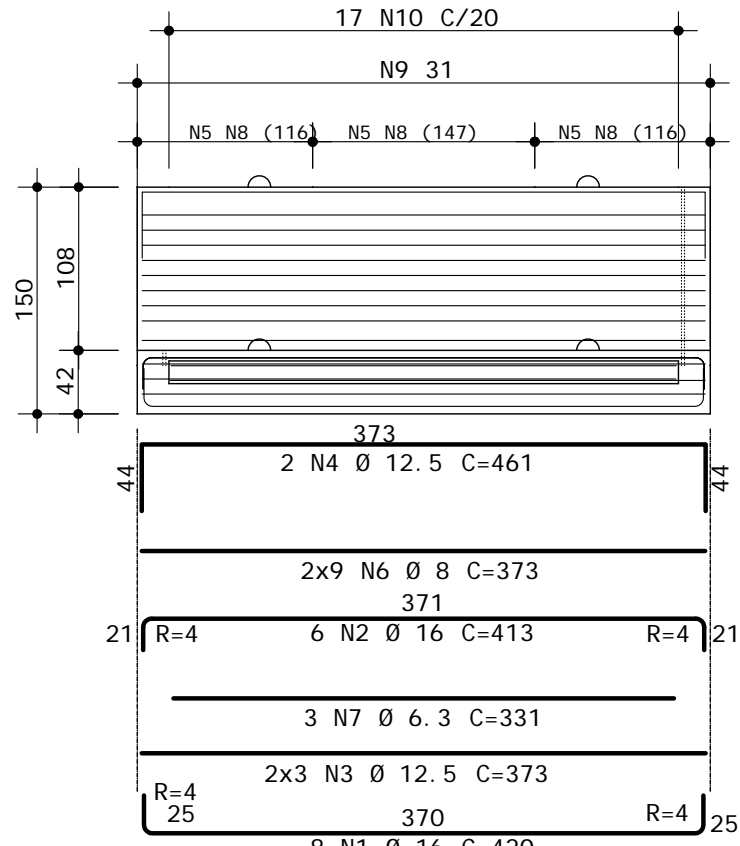
FUROS INICIAIS
(25 mm)



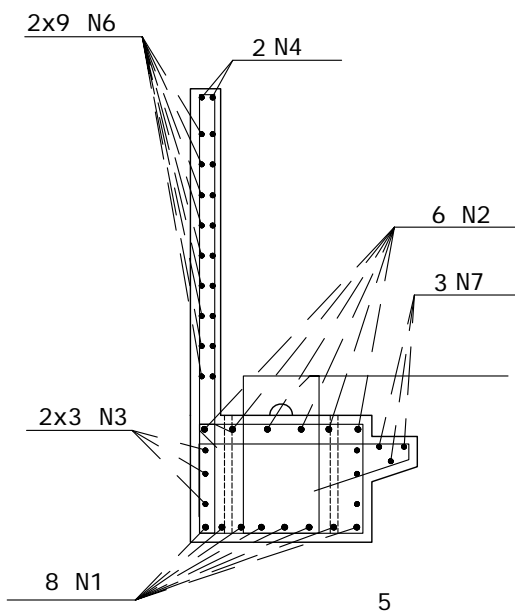
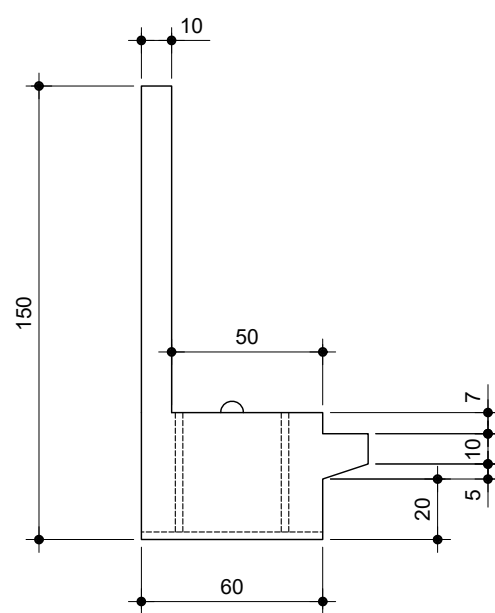
FUROS FINAIS
(25 mm)



VP102



SEÇÃO



Pavimento	Quant	Vol ume uni t	Vol ume total	Peso uni t	Peso total
Cobertura(1x)	2	1.918	3.836	4.795	9.590
TOTAIS	2		3.836		9.590

AÇO	POS	BIT	QUANT	COMPRI MENTO	
				UNI T	TOTAL
VP102 (X2)					
		mm		cm	cm
50A	1	16	16	420	6720
50A	2	16	12	413	4956
50A	3	12,5	12	373	4476
50A	4	12,5	4	461	1844
50A	5	6,3	64	210	13440
50A	6	8	36	373	13428
50A	7	6,3	6	331	1986
50A	8	6,3	64	208	13312
50A	9	6,3	62	314	19468
50A	10	6,3	34	133	4522

RESUMO DE AÇO			
AÇO	BI T mm	COMPR m	PESO kgf
50A	6.3	527	129
50A	8	134	53
50A	12.5	63	61
50A	16	117	184
Peso Total +10%			50A = 470 kgf

ESCALA GRÁFICA	ESCALA NOMINAL	DATA
0 1 2 3 (m)	1:50	OUT/2021
ESPAÇO PARA APROVAÇÃO		

CÓDIGO CDHU									
EMPREENHIMENTO									
Projeto	0	0	0	6	5	Região	0	6	1
Município	3	0	P	E		Versão	1	3	0