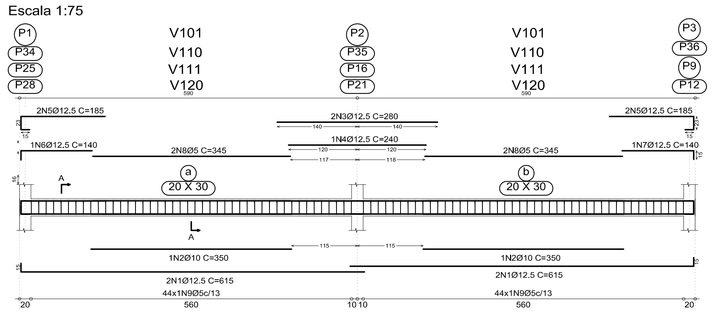
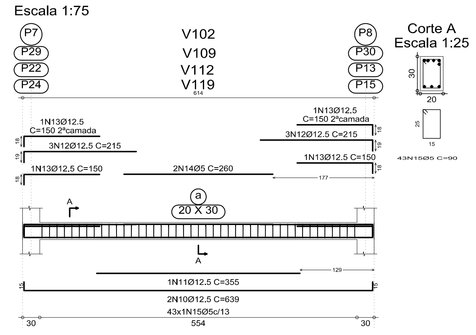
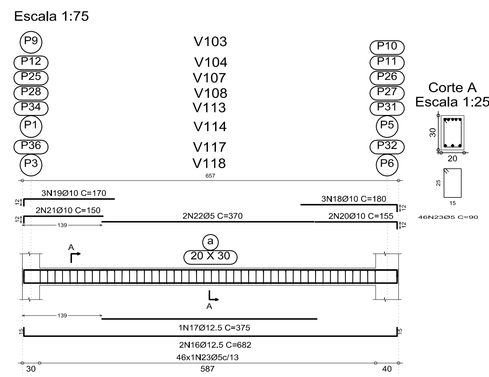
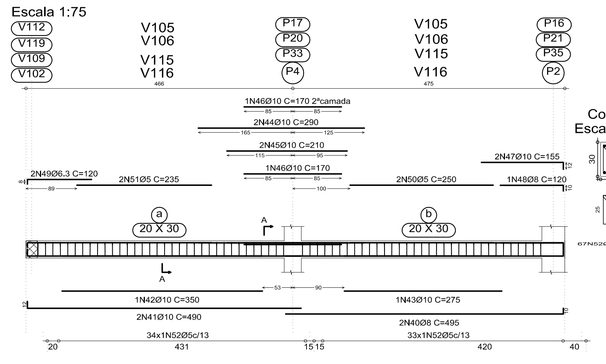
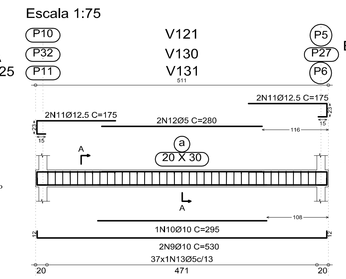
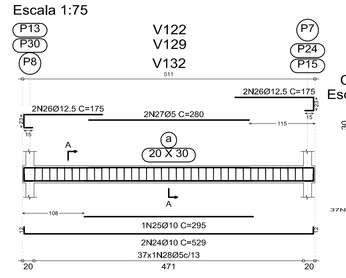


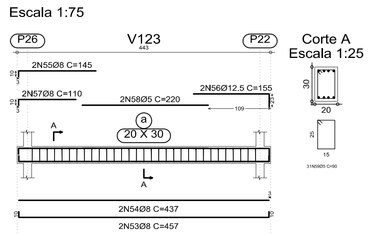


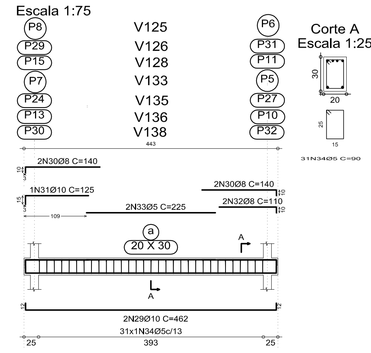


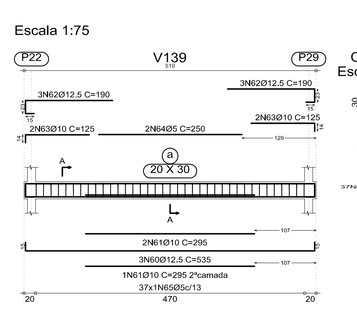


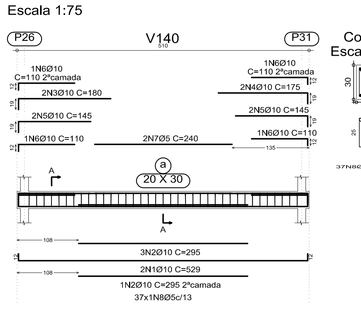






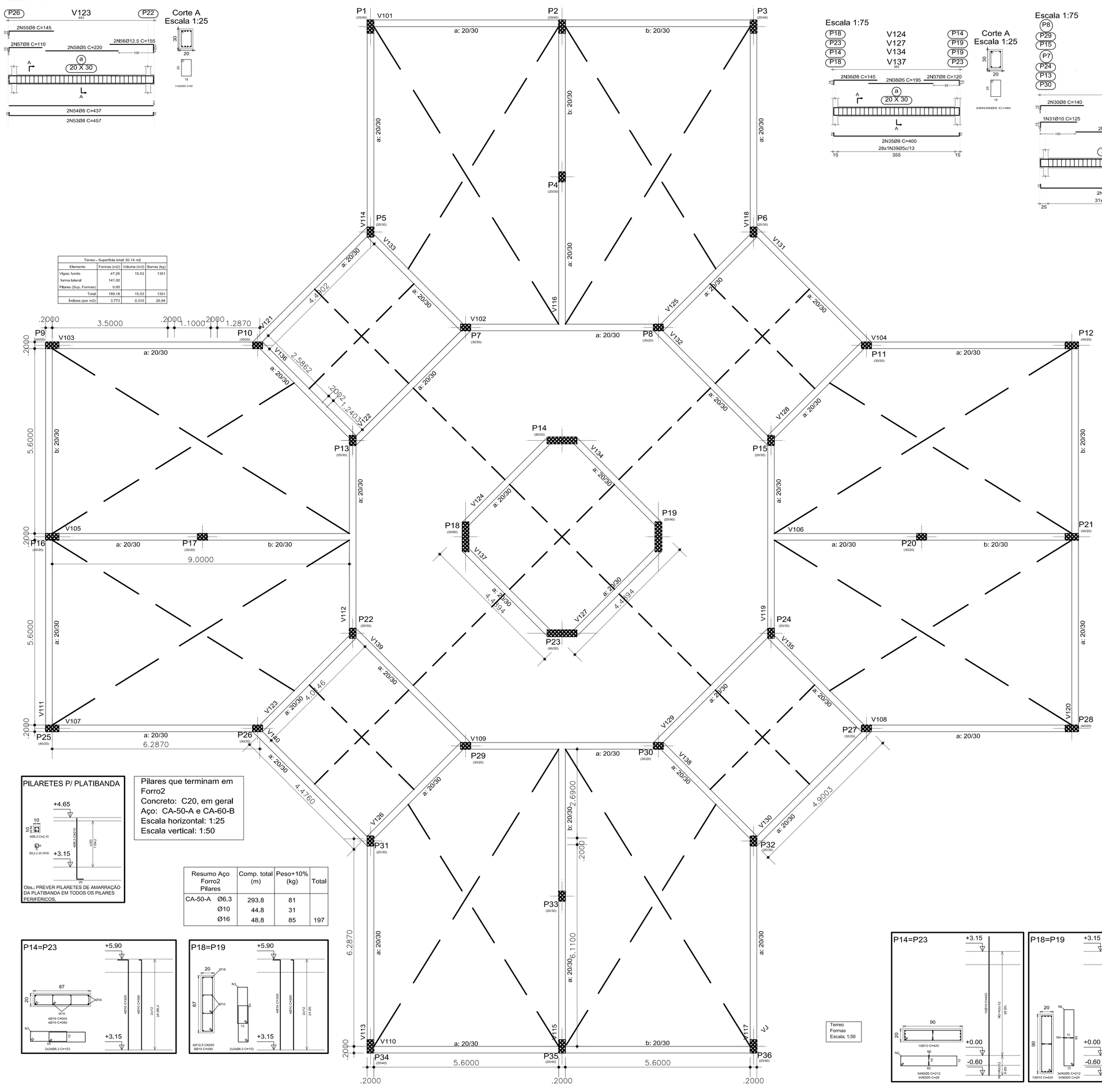






Resumo Aço Terreo Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø6.3	12.5	3	
	Ø8	186.6	81	
	Ø10	523.0	361	
	Ø12.5	523.8	565	1010
CA-60-B	Ø5	1955.7	338	338
Total				1348

Terreo
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:25

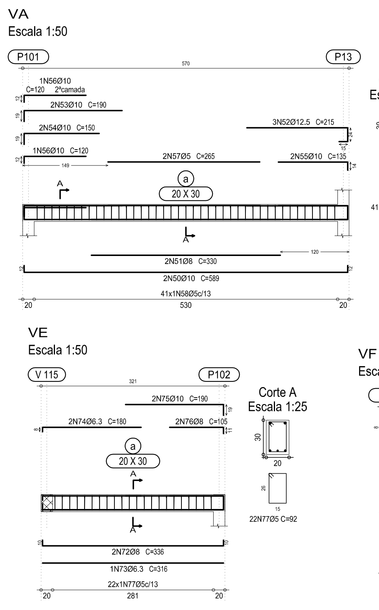


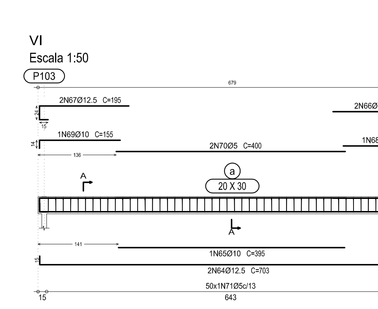
Terreo - Superfície total: 55.14 m2			
Elemento	Formas (m2)	Volume (m3)	Barras (kg)
Vigas: fundo	47.26	15.53	1351
forma lateral	141.92		
Fibras (Sup. Formas)	0.00		
Total	189.18	15.53	1351
Índices (por m2)	3.773	0.310	26.94

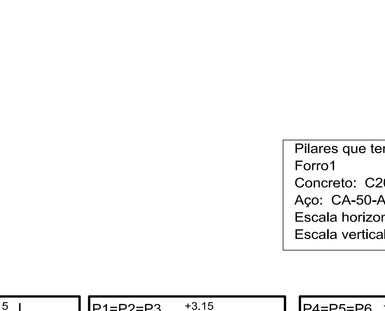
Terreo
Formas
Escala: 1:50

Pilares que terminam em Forro2
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala horizontal: 1:25
Escala vertical: 1:50

Resumo Aço Forro2 Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø6.3	293.8	81	
	Ø10	44.8	31	
	Ø16	48.8	85	197

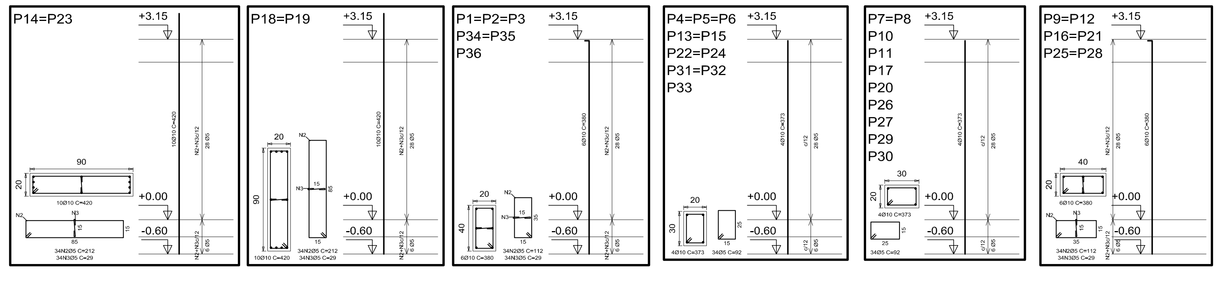






Pilares que terminam em Forro1
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala horizontal: 1:25
Escala vertical: 1:50

Resumo Aço Forro1 Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø10	740.0	511	511
CA-60-B	Ø5	1528.6	264	264
Total				775



OBS.: CONFERIR MEDIDAS EM OBRA

DPO- DIRETORIA DE PROJETOS E OBRAS
Praça José Bonifácio, nº 01 - CEP 96015-170 - PELOTAS/RS
(53) 3026.7242 / 3026.7241 / 3026.7240
dpo_cproj@ifsul.edu.br / dpo@ifsul.edu.br

INSTITUTO FEDERAL
Sul-rio-grandense

RESPONSÁVEL TÉCNICO/PROJETO:

CARLOS FRANCISCO OLIVEIRA PLÁ - CREA/DF 4.310
DAVISON GUIMARÃES SOPENA - CREA/RS 49.866
HÉLIO DA COSTA SILVA - CREA/RS 41.576
JOSÉ ANTONIO SANTOS SANTANA - CREA/RS 55.258
LÚCIA HELENA MENNTT COSTA - CREA/RS 53.206
PLÁTÃO TAVARES ALVES DA FONSECA - CREA/RS 47.000

RESPONSÁVEL TÉCNICO/EXECUÇÃO:

PROPRIETÁRIO:

CAMPUS SAPUCAIA DO SUL - BLOCO BIBLIOTECA

PROJETO ESTRUTURAL

FÔRMAS E ARMADURAS DAS VIGAS DE BALDRAME E PILARES

DESENHO	FABIANE./CLAYTON.
VISTO	
MODIF. EM	MARÇO/2012
ARQUIVO	CSS 001/2012
DATA	AGOSTO/2011
ESCALA	1/50
PRANCHA	PES 19/27

STUDY PURPOSES DOCUMENTS NO JURISPRUDENCE OR DOMINATION
LES ETUDES EN ESTATIQUES DE CONCRETE NE SUIVENT PAS
LES ESTUDIOS EN ESTRUCTURAS DE CONCRETO NO SIGUEN