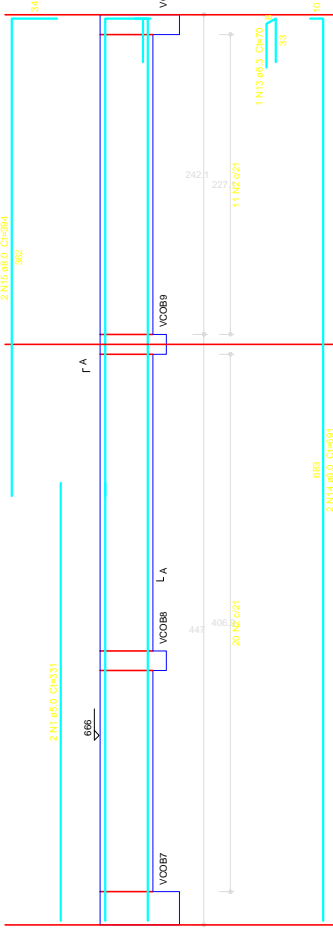
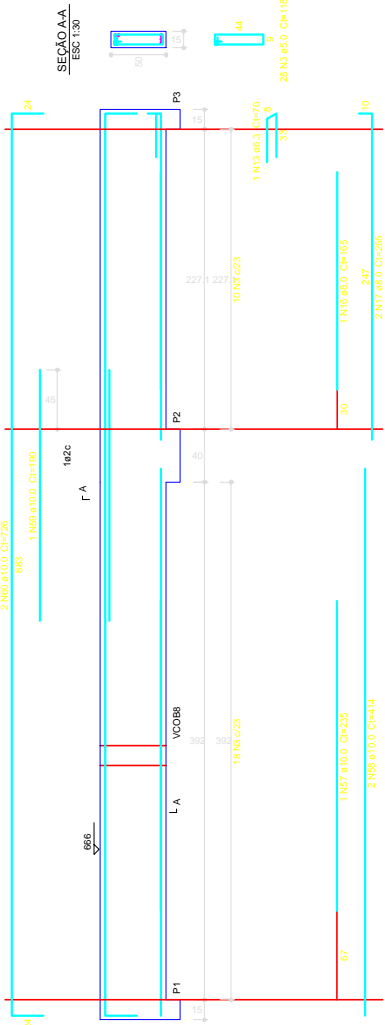


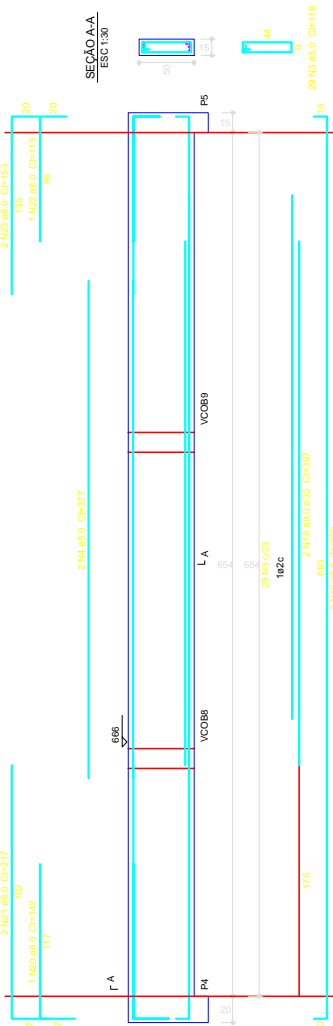
VCOB1 (15 x 40)



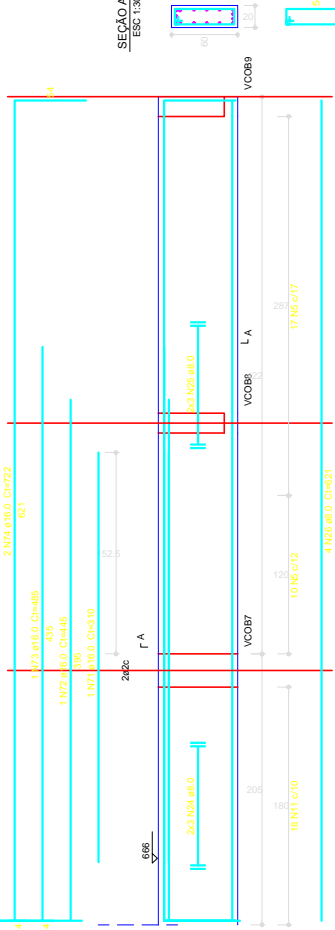
VCOB2 (15 x 50)



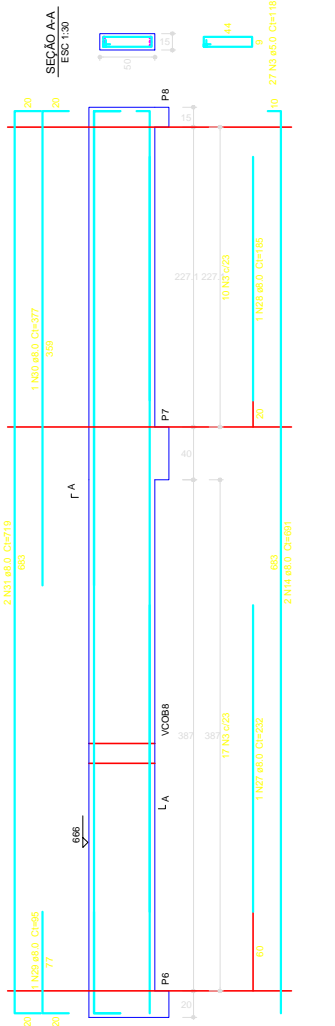
VCOB3 (15 x 50)



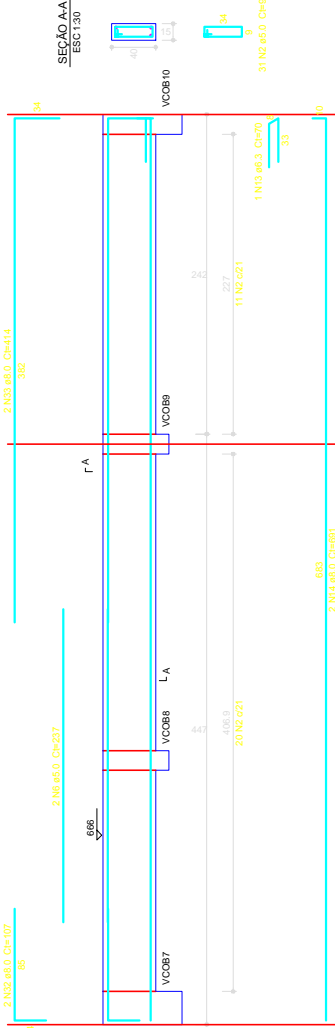
VCOB4 (20 x 60)



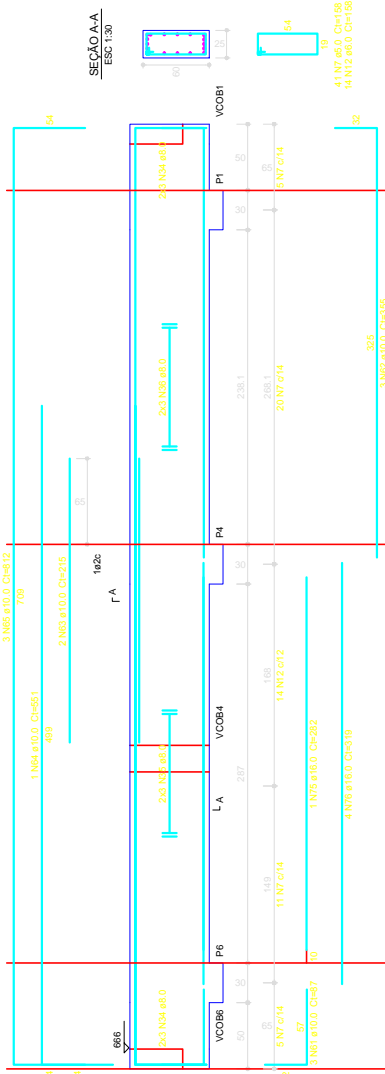
VCOB5 (15 x 50)



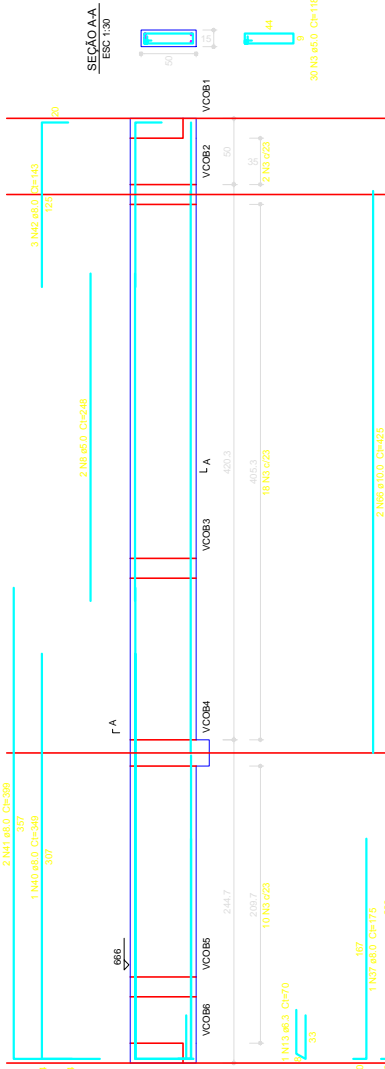
VCOB6 (15 x 40)



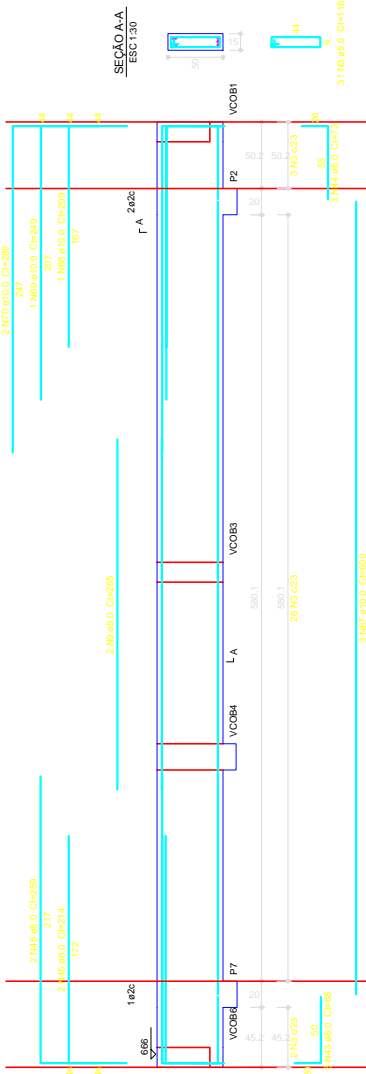
VCOB7 (25 x 60)



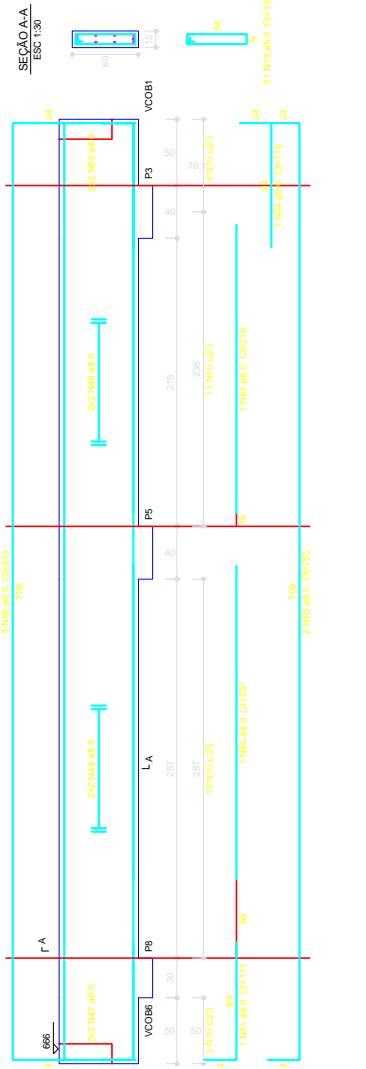
VCOB8 (15 x 50)



VCOB9 (15 x 50)



VCOB10 (15 x 60)



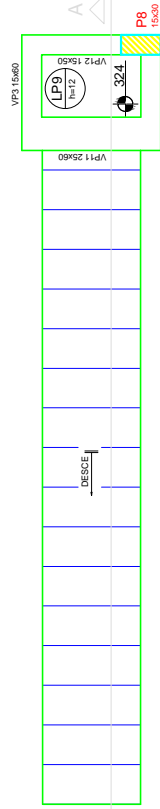
Relatório do projeto

ACO	N	DM	O	UNF	TOTAL
ACO	1	100	24	UNF	670
ACO	2	100	24	UNF	670

Resumo do projeto

ACO	DM	O	UNF	TOTAL
ACO	100	24	UNF	670
ACO	100	24	UNF	670

Vol. de concreto (C-20) = 10,10 m³
Área de forma (F-10) = 10,10 m²



Armação positiva da escada E1
escala 1:25

UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE
Superintendência de Infra-estrutura

PROFESSOR: GUSTAVO FERNANDES ROSADO COELHO
ALUNO: PAULO BEZERRA DE CASTRO

DATA: 21/02/2013

PROFESSOR: PAULO BEZERRA DE CASTRO

ESTRUTURAL - CONCRETO ARMADO
SUBSTANCIA ABRIGADA DOS DEPARTAMENTOS DE NUTRIÇÃO E ENFERMAGEM

UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE - UFRN

DETALHE DAS VIGAS DE COBERTURA E DA ESCADA

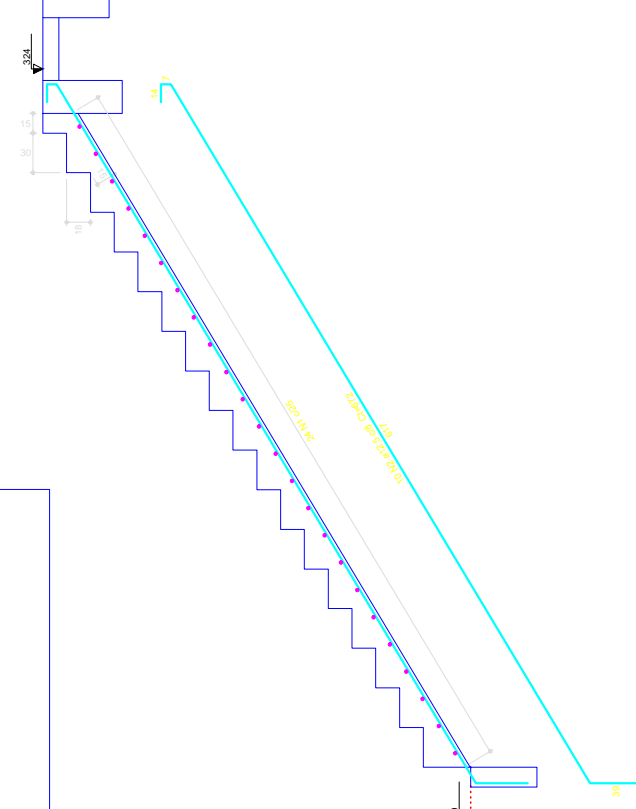
INDICADOR
04
105

PROFESSOR: PAULO BEZERRA DE CASTRO

DATA: 21/02/2013

PROFESSOR: PAULO BEZERRA DE CASTRO

Corte A-A (LE1)
escala 1:25



OBS:
N1 - AS CARGAS ATUANTES NAS LAJES:
SOLICITAÇÃO = 250 KG/M²
PESO ESPECÍFICO DAS ALVENARIAS = 1300 KG/M³
N2 - A TAXA ADMISSÍVEL DO TERRENO FOI CONSIDERADA IGUAL A 1,00 KG/CM²
N3 - APÓS REALIZAÇÃO DOS ENSAIOS DE SONDAGEM ENTRAR EM CONTATO COM O CALCULISTA

Resumo do projeto

ACO	N	DM	O	UNF	TOTAL
ACO	1	100	24	UNF	670
ACO	2	100	24	UNF	670

Resumo do projeto

ACO	DM	O	UNF	TOTAL
ACO	100	24	UNF	670
ACO	100	24	UNF	670

Vol. de concreto (C-20) = 10,10 m³
Área de forma (F-10) = 10,10 m²