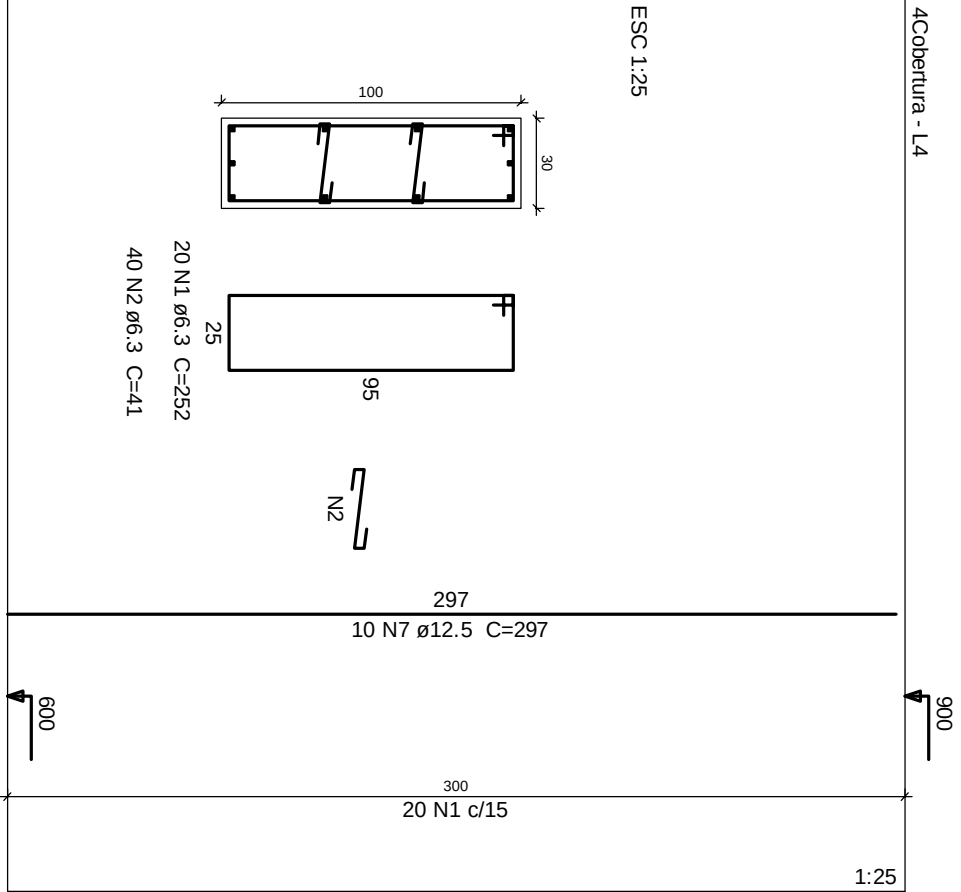
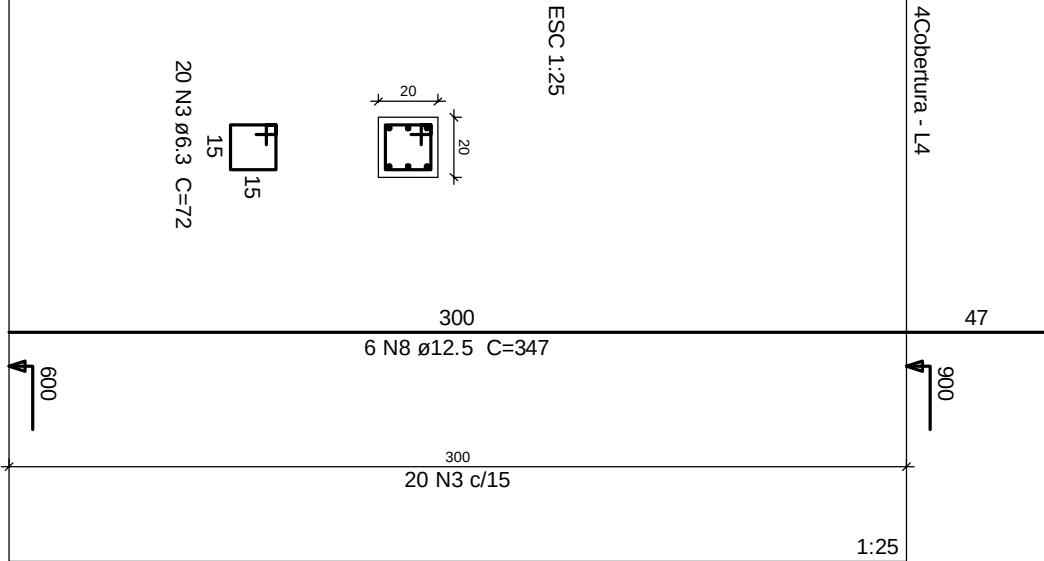


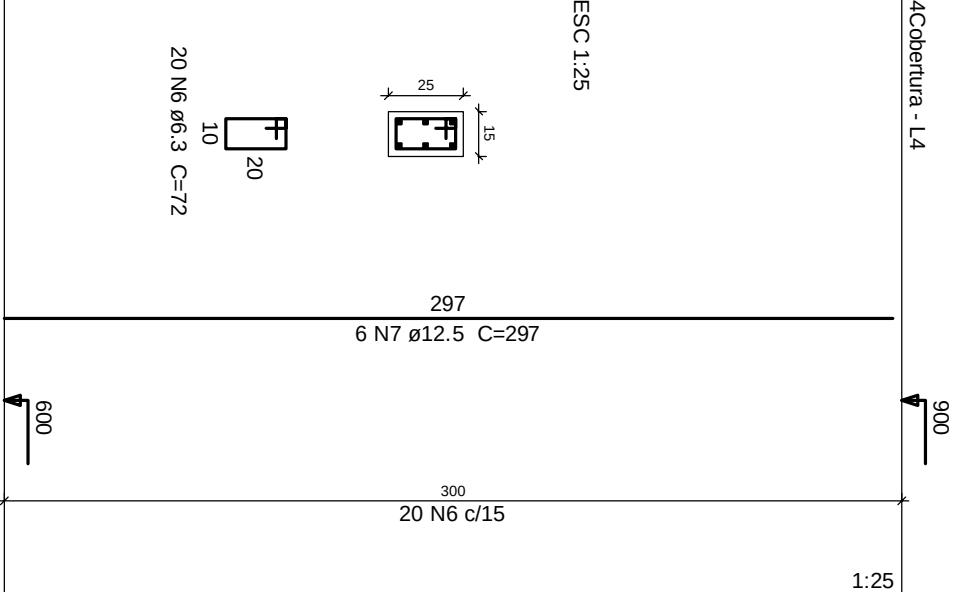
P1=P2=P3=P4=P239=P242=P245=P248



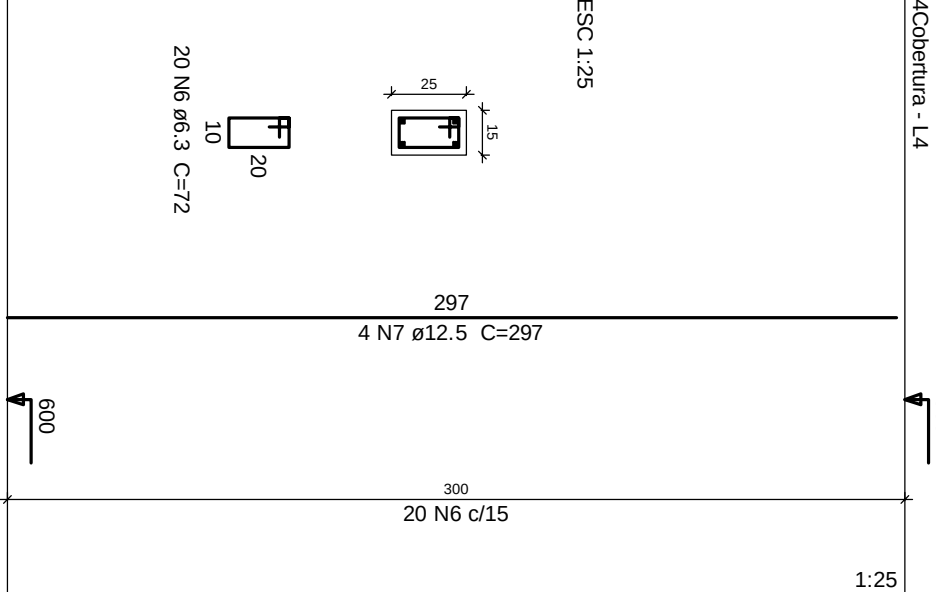
P100=P125=P128=P153



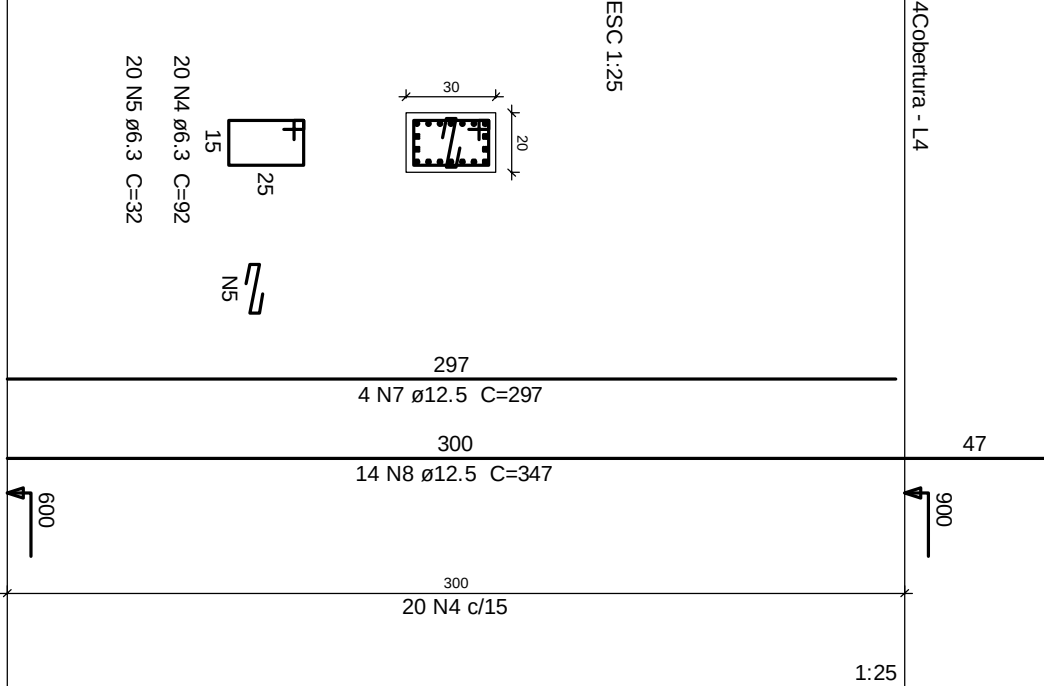
P17=P28=P222=P233



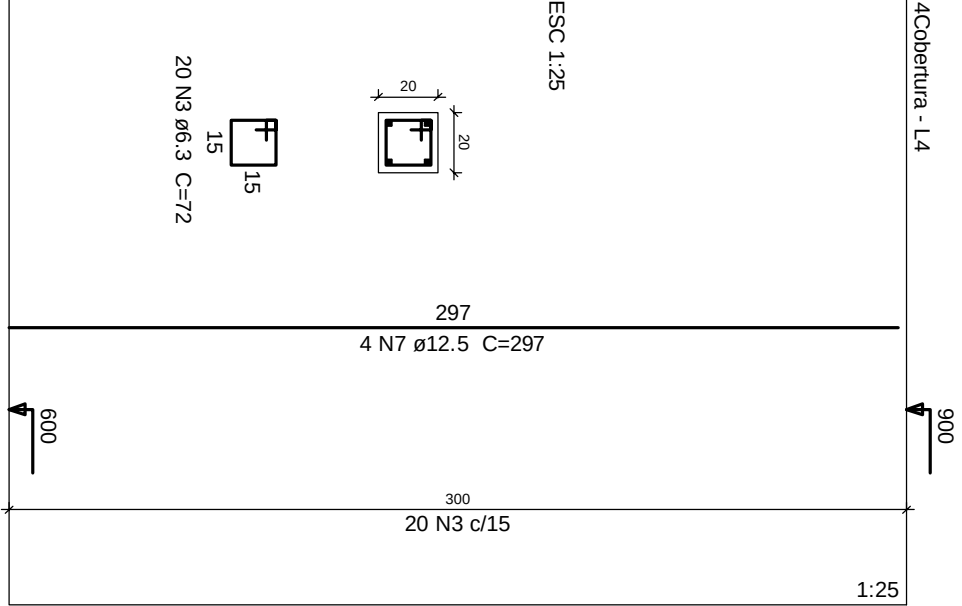
P13=P14=P16=P20=P21=P24=P25=P29=P41=P42
=P44=P45=P47=P49=P50=P51=P54=P55=P60
=P61=P64=P69=P70=P75=P76=P77=P78=P79
=P80=P83=P85=P87=P164=P167=P168=P171
=P172=P173=P174=P175=P176=P181=P182=P187
=P190=P191=P196=P197=P200=P201=P202=P203
=P205=P206=P209=P210=P221=P225=P226=P229
=P230=P234=P236=P237



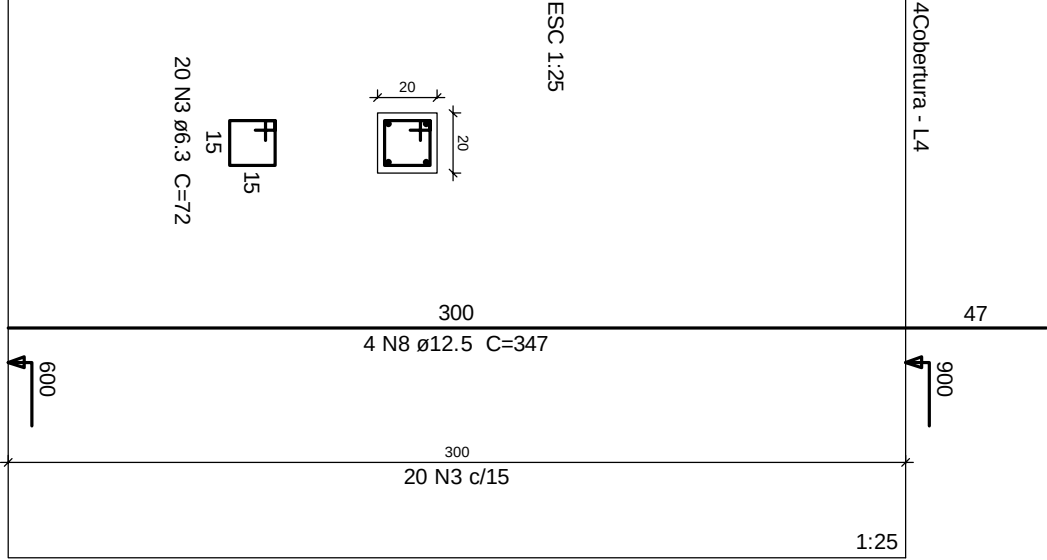
P130=P151



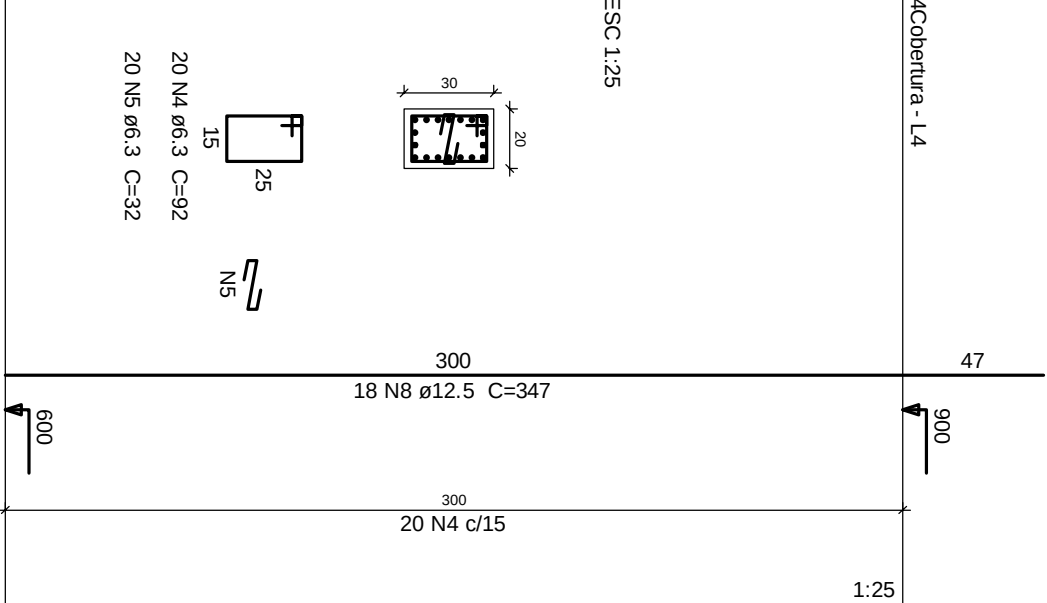
P5=P6=P7=P8=P9=P10=P11=P12=P15=P18=P19
=P22=P23=P26=P27=P30=P31=P32=P33=P34
=P35=P36=P37=P38=P39=P40=P43=P46=P52
=P53=P56=P57=P58=P59=P62=P63=P65=P66
=P67=P68=P71=P72=P73=P74=P81=P82=P84
=P86=P88=P89=P90=P91=P92=P93=P94=P95
=P97=P98=P103=P104=P107=P108=P109=P110
=P111=P112=P113=P114=P115=P116=P117=P118
=P121=P122=P131=P132=P135=P136=P137=P138
=P139=P140=P141=P142=P143=P144=P145=P146
=P149=P150=P156=P157=P158=P159=P160=P161
=P162=P163=P165=P166=P169=P170=P177=P178
=P179=P180=P183=P184=P185=P186=P188=P189
=P192=P193=P194=P195=P198=P199=P204=P207
=P208=P211=P212=P213=P214=P215=P216=P217
=P218=P219=P220=P223=P224=P227=P228=P231
=P232=P235=P238=P240=P241=P243=P244=P246
=P247=P249



P101=P124=P129=P152



P102=P123



Relação do aço

ACO	N	DIAM	Q	UNIT	C.TOTAL
CA50	1	6.3	160	252	40320
	2	6.3	320	41	13120
	3	6.3	3880	72	221760
	4	6.3	80	92	7360
	5	6.3	1380	32	44160
	6	6.3	172	292	50144
	7	12.5	582	297	282744
	8	12.5	104	347	36088

Resumo do aço

ACO	DIAM	C.TOTAL	FESO + 10 %
CA50	6.3	3830.4	1031
CA50	12.5	3188.4	3378.6
CA50	4409.6		

Vol. de concreto total (C-25) = 34.05 m³
Área de forma total = 607.2 m²

DETALHAMENTO DOS PILARES COBERTURA

ESCALA 1:50

PROJETO ESTRUTURAL

MORADIA ESTUDANTIL-BLOCO 1-UFVJM- DIAMANTINA -MG

DETALHAMENTOS

COBERTURA

DETALHAMENTO DOS PILARES

Alessandro de Oliveira Alves
Engº Civil - CREA MG 107.372-D
Rodovia MG 367, Km 583 - nº 5000
Diamantina MG - Tel - (38) 8809-8918
alessandro.alves@ufvjm.edu.br

Escala: 1/50

Desenho: 01

Data: 14/01/2010

Unidade: cm

FOLHA

26/39