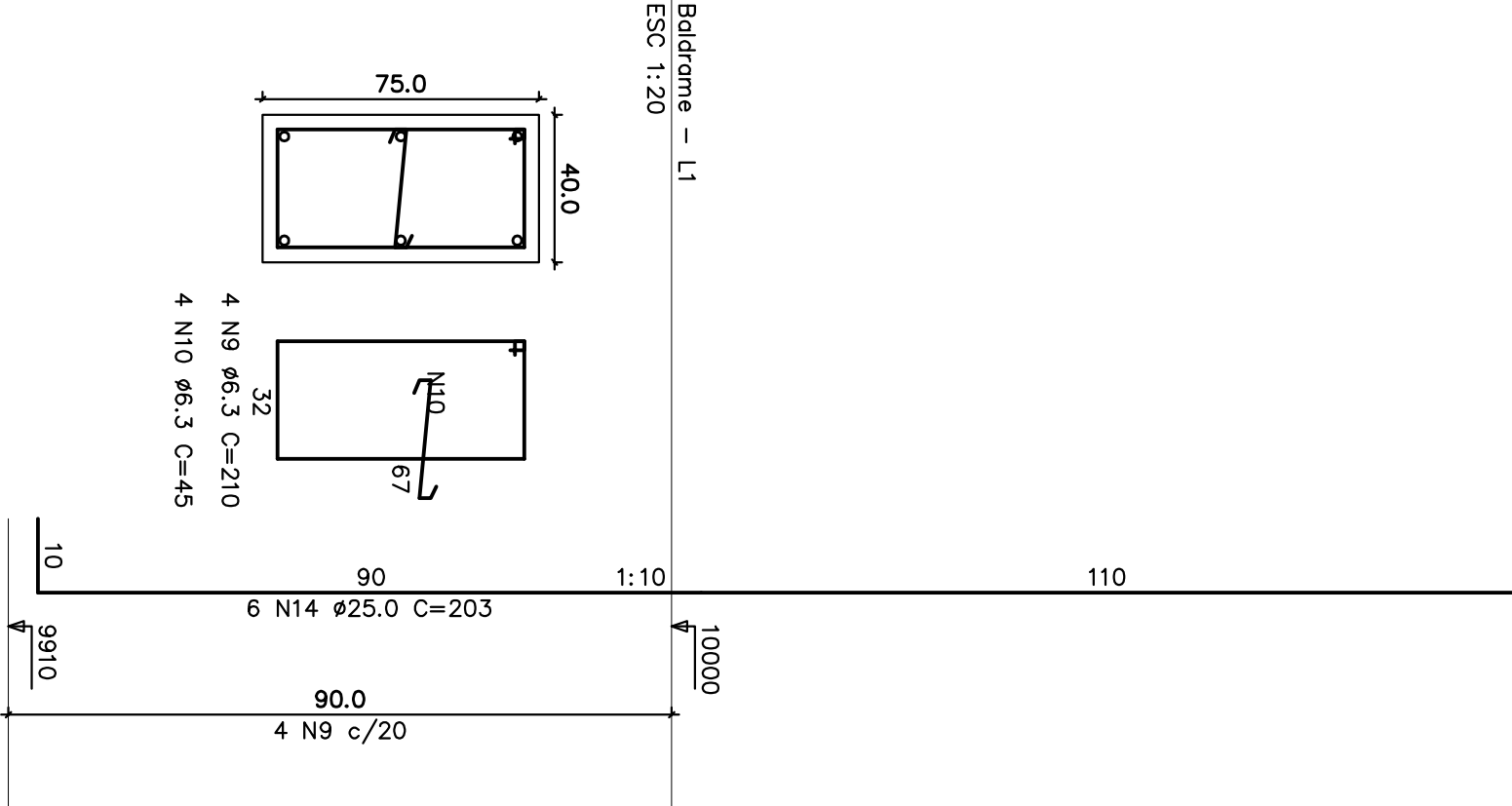
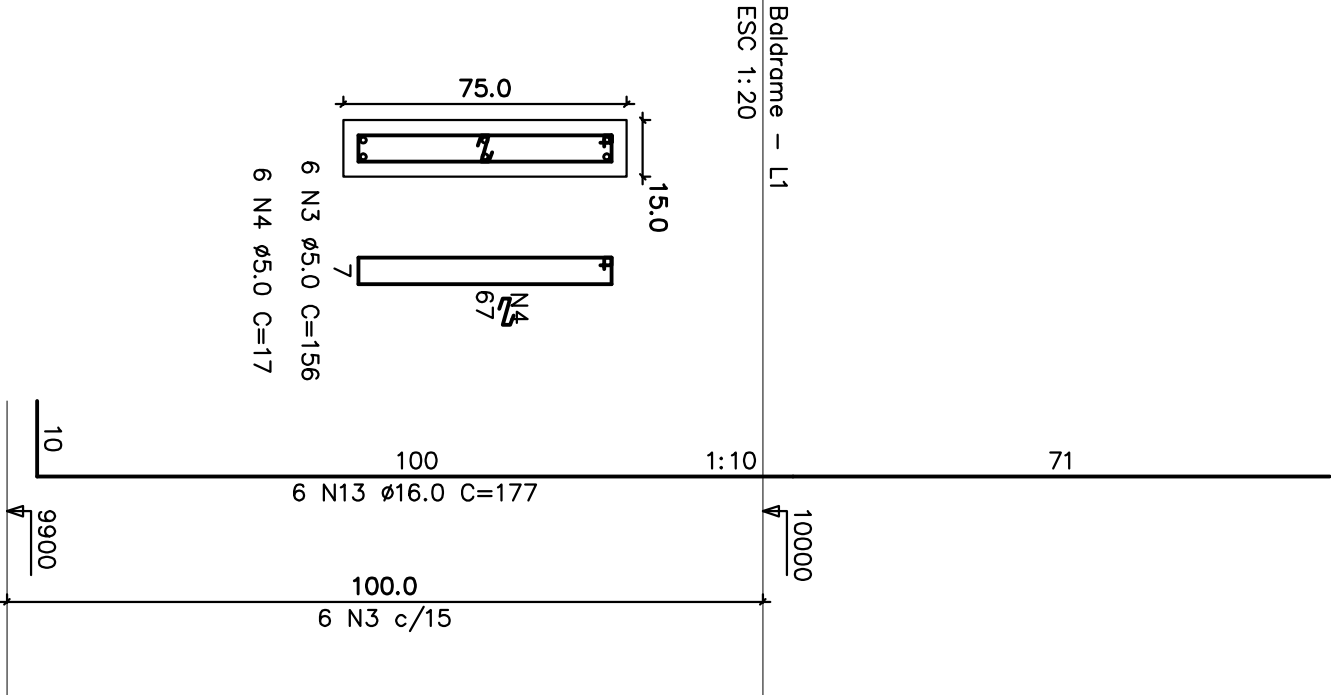


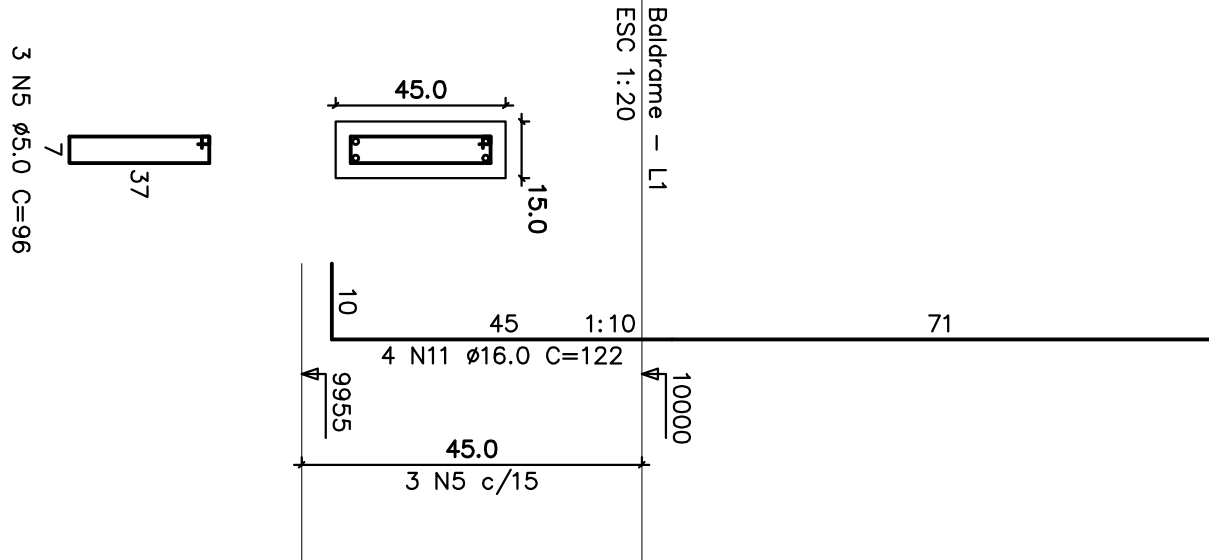
P1=P2=P3=P4=P5=P6=P7=P8=P49=P51=P52=P53
=P54=P55=P56=P59



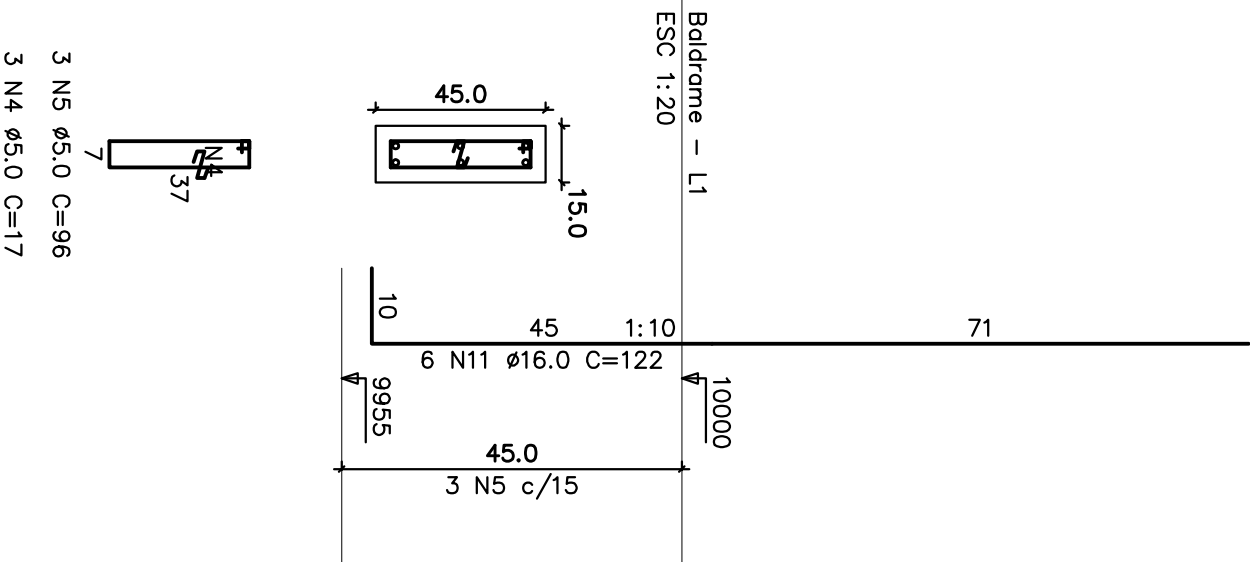
P21=P22=P33=P48



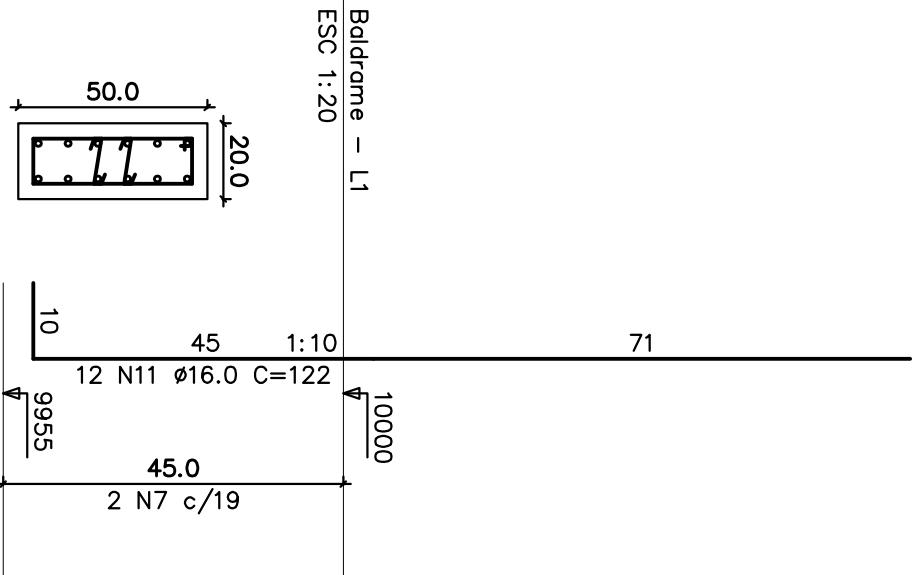
P23=P24=P25=P26=P27=P28=P29=P30=P31=P32
=P35=P39=P41



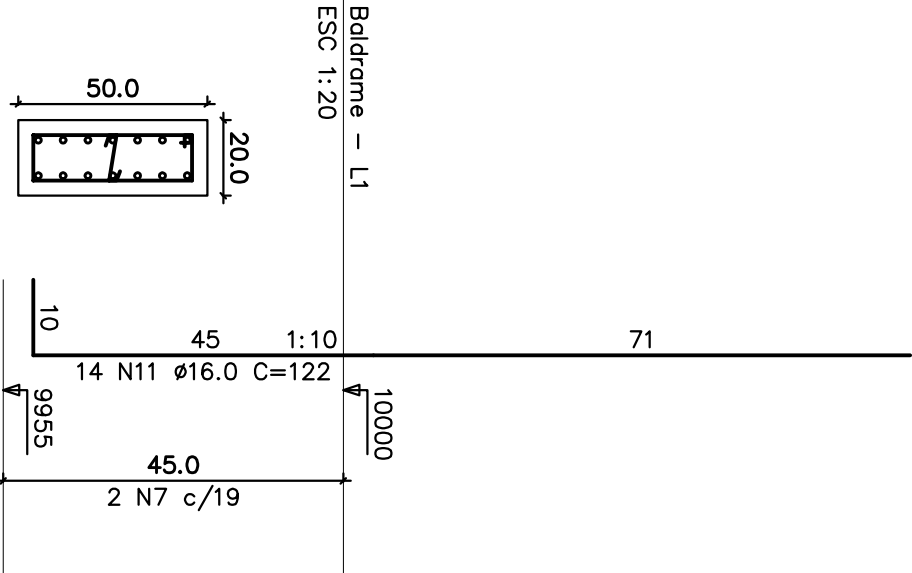
P34=P36=P40=P43=P45



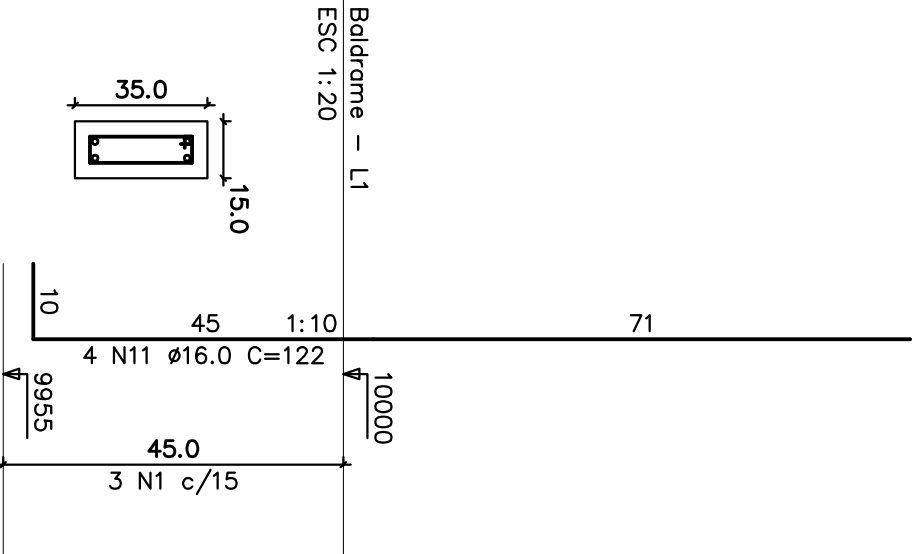
P46=P47



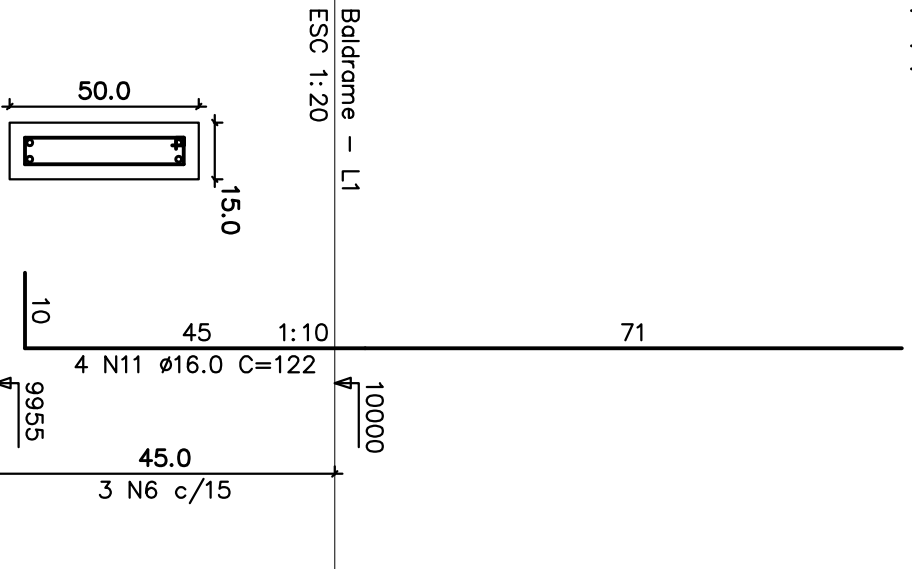
P57=P58



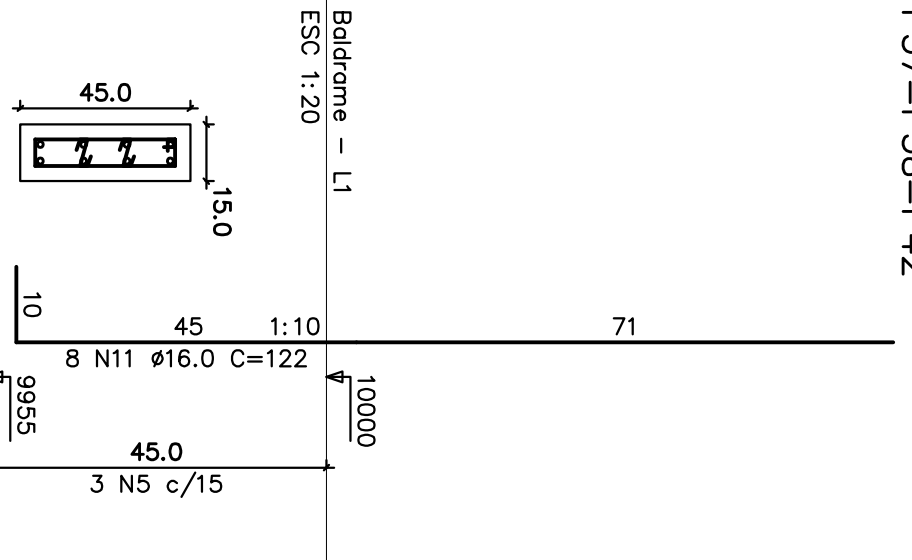
P9=P10=P17=P18=P19=P20=P50



P44



P37=P38=P42



RELACÃO DO AÇO					
16P1	7x9	6x11			
4xP21	13xP23	5xP34			
3xP57	P44	2xP46			
RESUMO DO AÇO					
ACO	N	DIAM	Q	UNIT	C.TOTAL
		(cm)		(cm)	
60	1	5,0	21	76	1596
	3	5,0	24	156	3744
	4	5,0	57	17	969
	6	5,0	3	106	318
	7	5,0	12	116	928
	8	6,3	64	212	13446
	9	6,3	64	45	2880
	10	6,3	190	122	23150
	11	16,0	24	177	4248
	13	16,0	96	203	19488
	14	25,0			

RESUMO DO AÇO				
ACO	DIAM	C.TOTAL	PESO+10%	
	(mm)	(kg)		
CA50	6,3	163,5	44,4	
	25,0	194,6	825,2	
CA60	5,0	139,2	23,6	
PESO TOTAL	CA50	1553,7		
	CA60	23,6		

Área de concreto total = 5,89 m²
Área de ferro total = 60,08 m²
Kc = 300,00 kgf/cm²

ACO	DIAM	C.TOTAL	PESO+10%
		(m)	(kg)
CA50	6.3	163.5	44.1
CA60	16.0	1223.1	444.2
CA60	25.0	194.6	825.4
CA60	5.0	139.2	23.6
PESO TOTAL			
CA50	1353.7		
CA60	23.6		

Vol. concreto total = 5.89 m³
Área de forma total = 60.08 m²
fck = 300.00 kgf/cm²

TÍTULO			
CIE - CENTRO DE INICIAÇÃO AO ESPORTE			
PROJETO			
Δ		ABSLT	☐
Δ		EXECUTIVO	☐
Δ	28/12/2013	EMISSÃO INICIAL	
Δ		COMENTÁRIOS	
Δ		REVISÃO	
REF	DATA	REVISÃO	FECHA DO PROJETO
PROJETO			
BRASIL			
ESTRUTURA DE CONCRETO - PROJETO EXECUTIVO			
GYNASIO CIE-R40-45 - ARMADURA DOS ARMAQUES DOS PILARES			
28/11/13 009/01016 IMPRINTAÇÃO MOD. 1.2 e 3			
CIE-28/11/13			
CIE-R40-45-ESC-EX-4008-R000.DWG			