

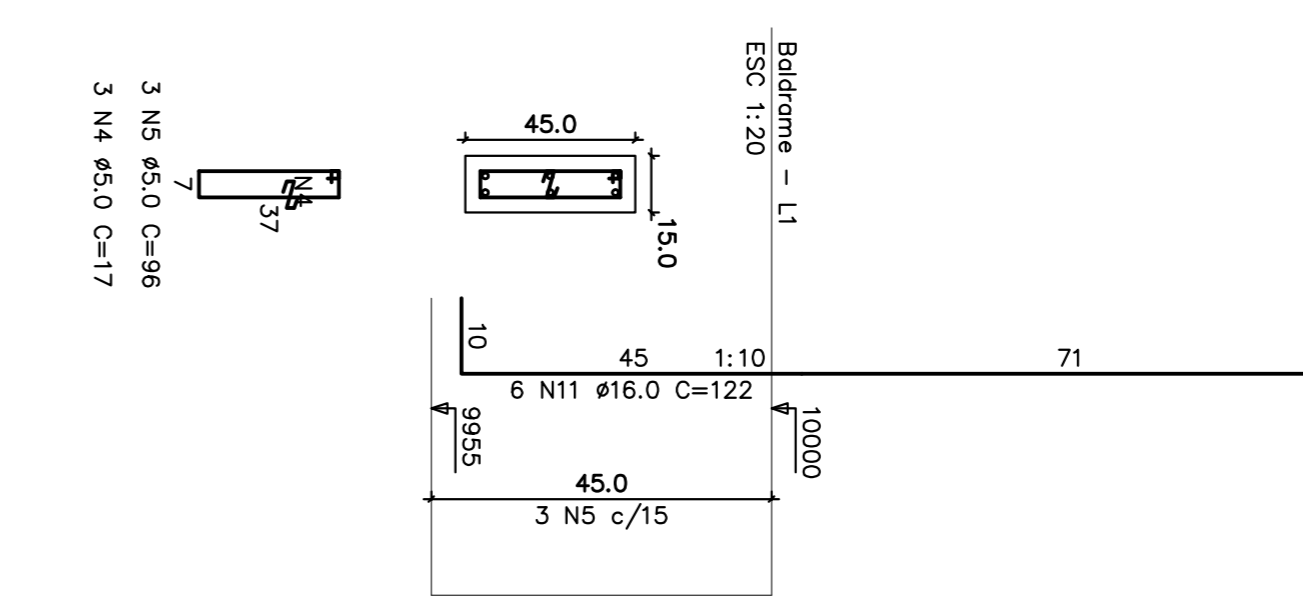
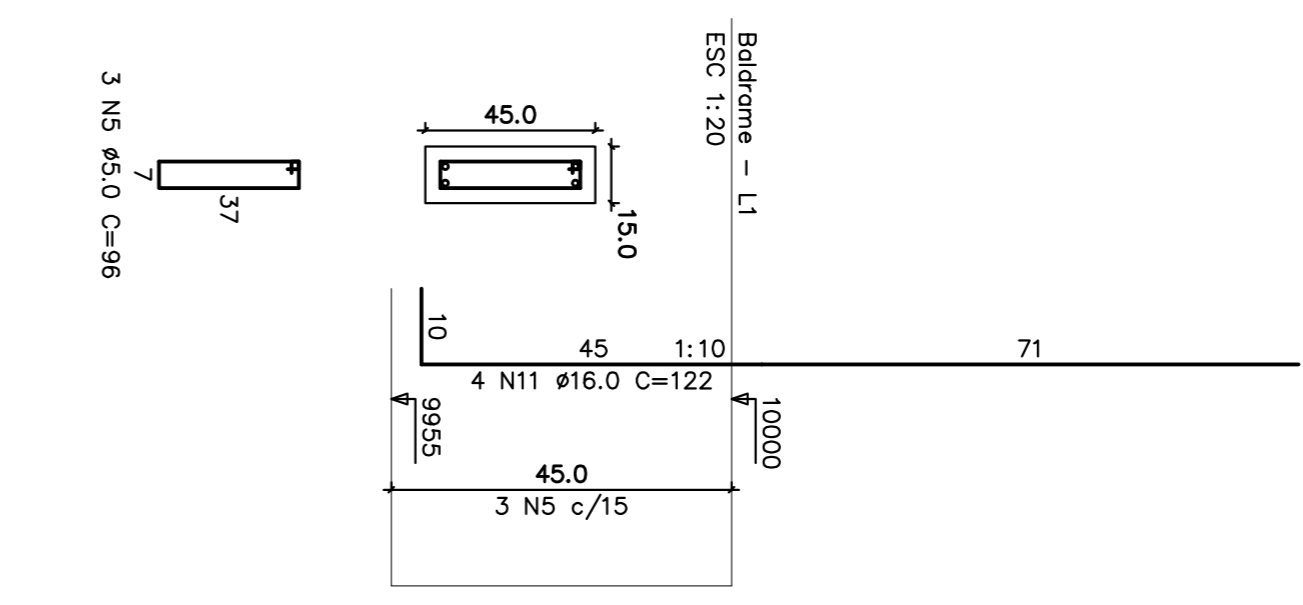
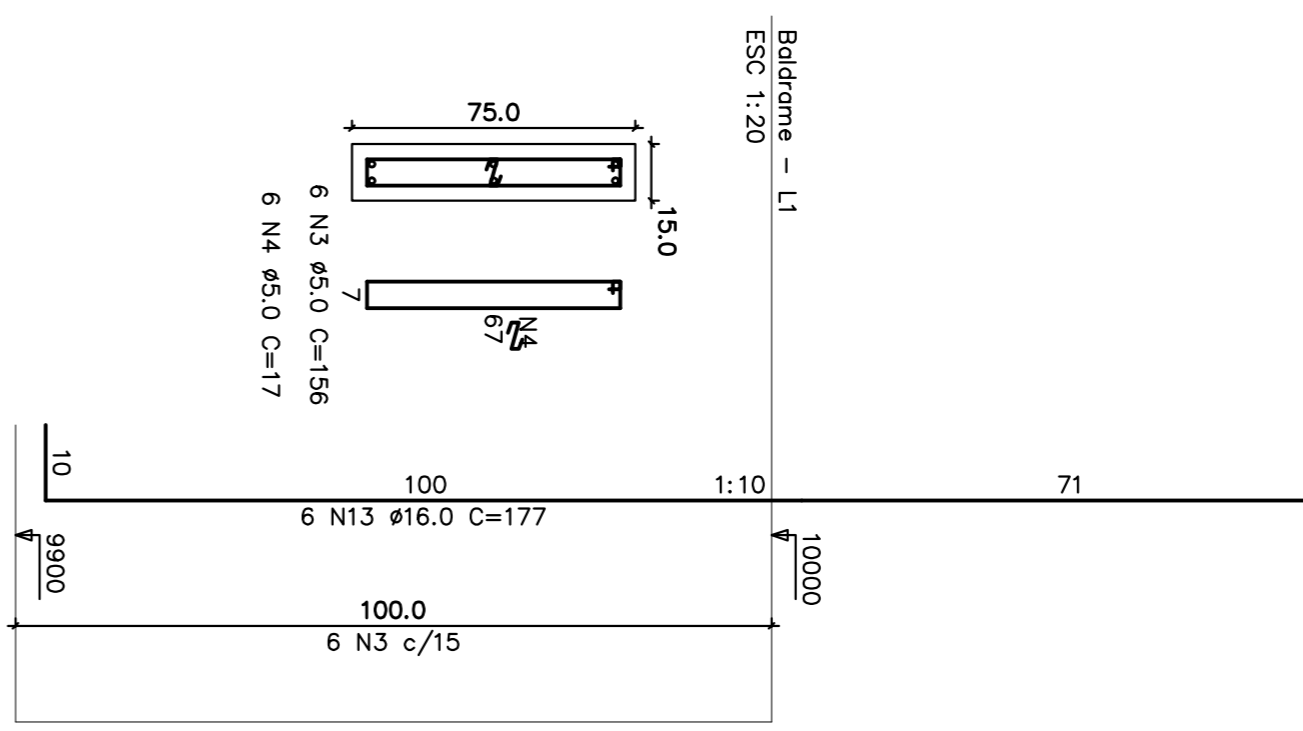
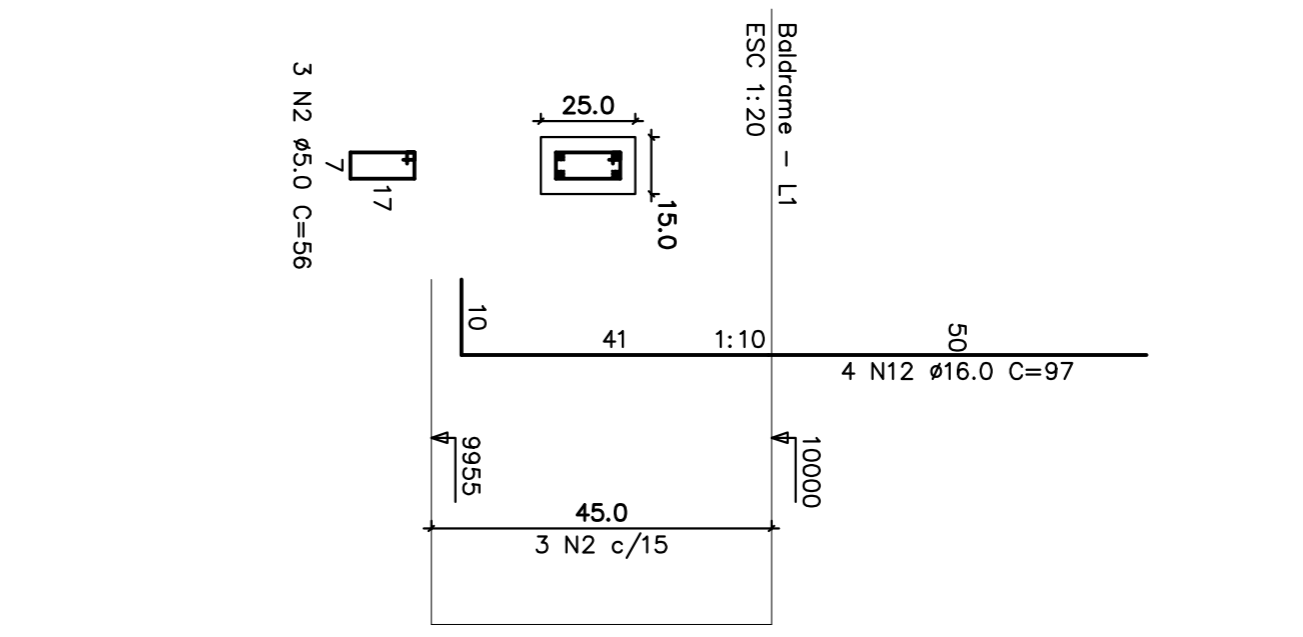
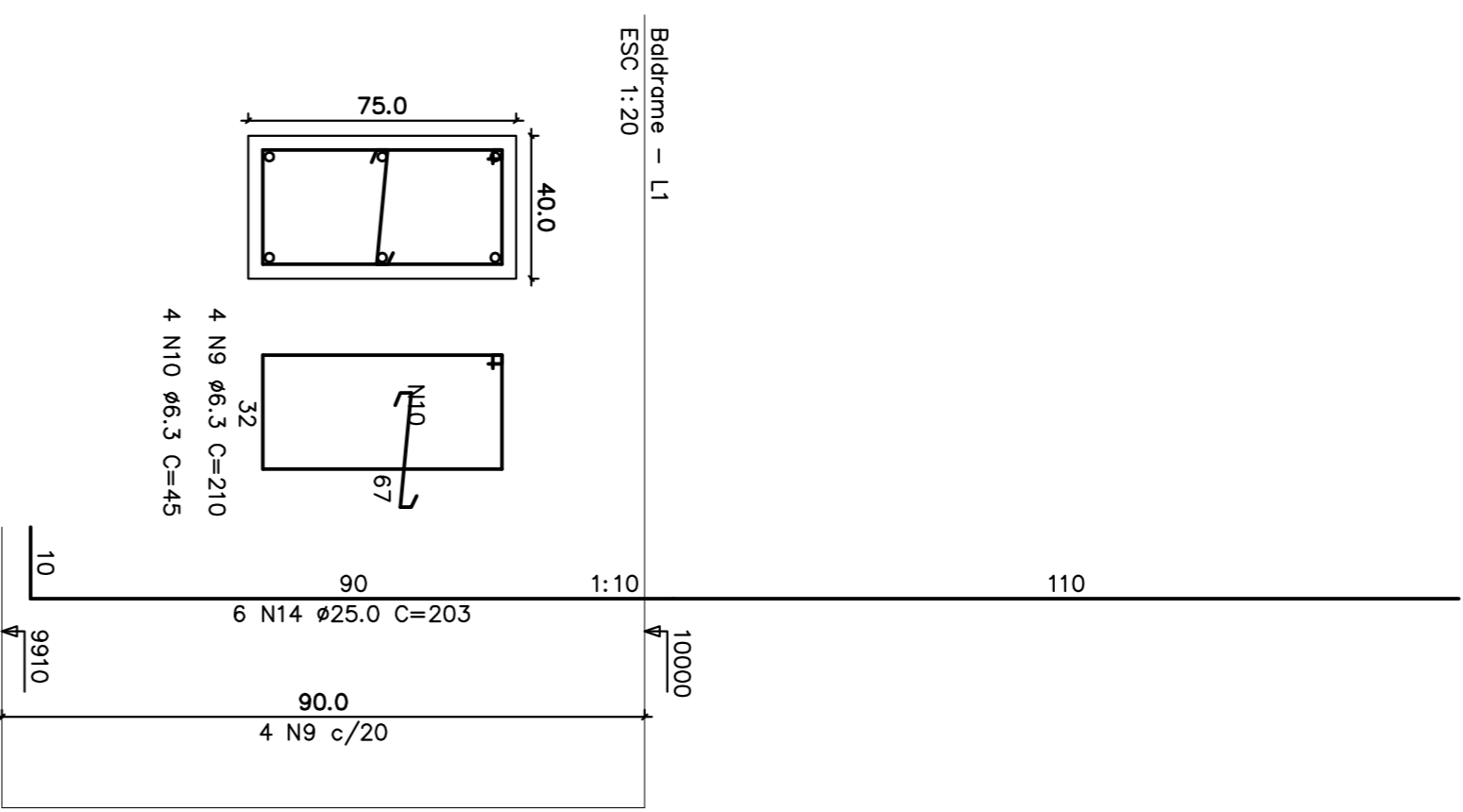
P1=P2=P3=P4=P5=P6=P7=P8=P49=P51=P52=P53  
=P54=P55=P56=P59

P11=P12=P13=P14=P15=P16

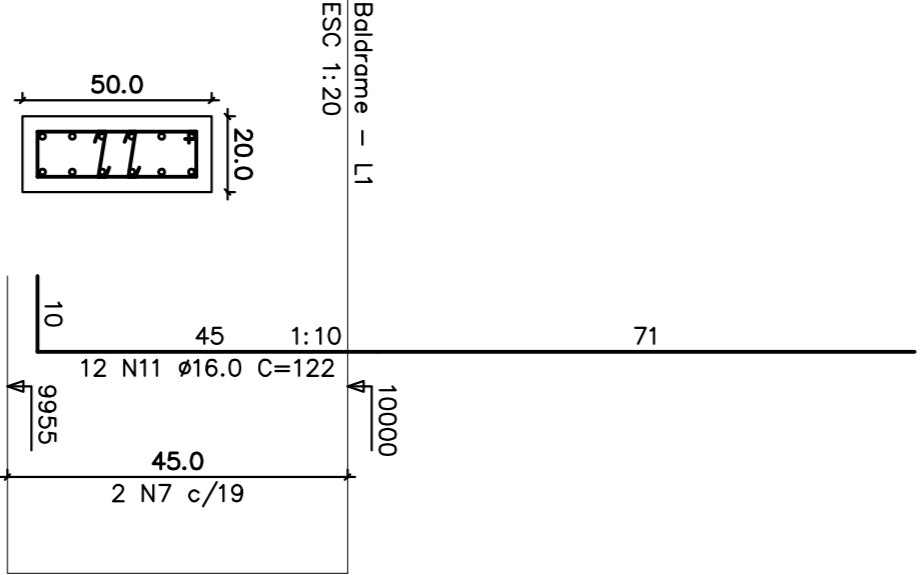
P21=P22=B33=B48

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

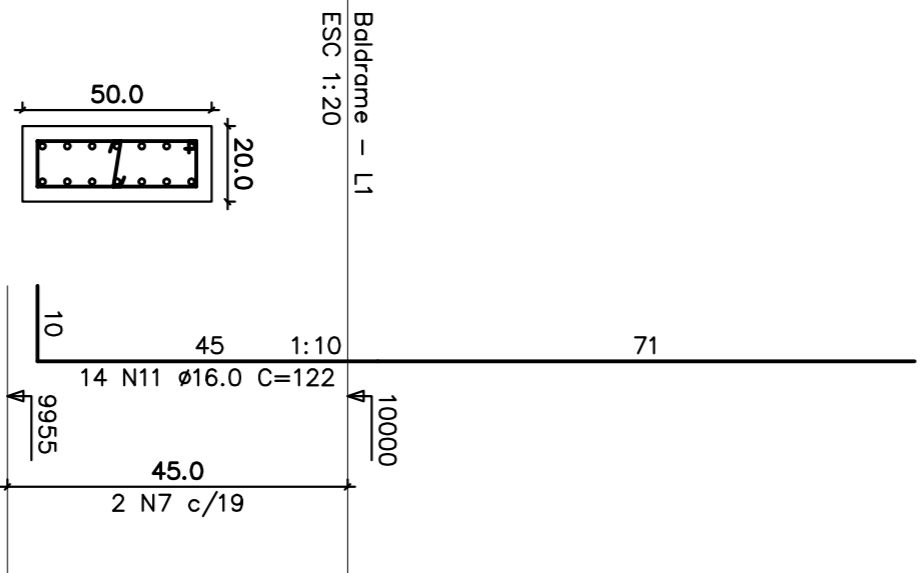
P34=P36=P40=P43=P45



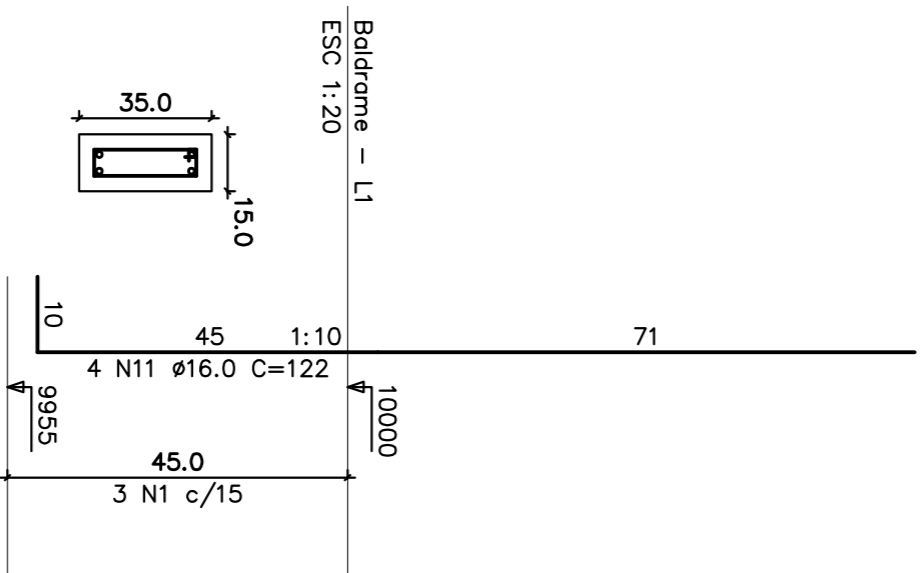
P46=P47



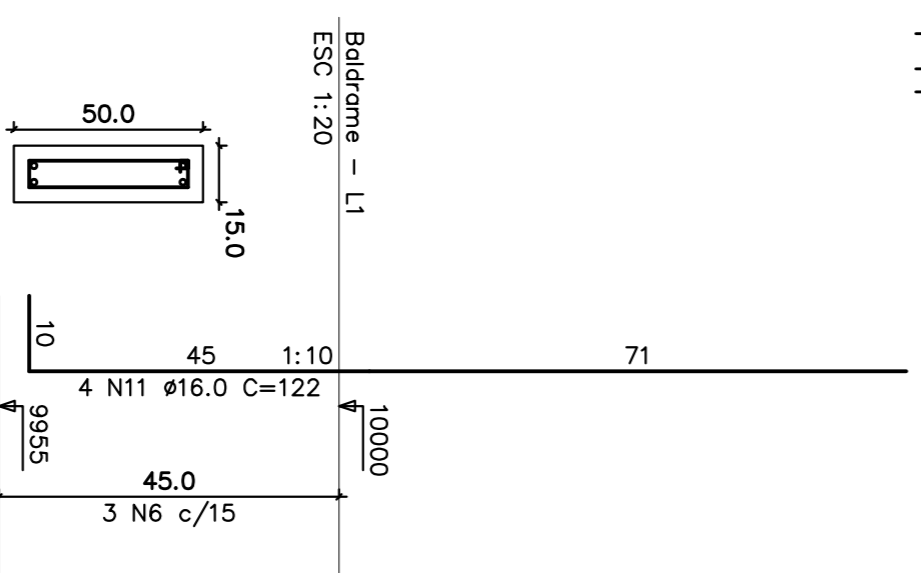
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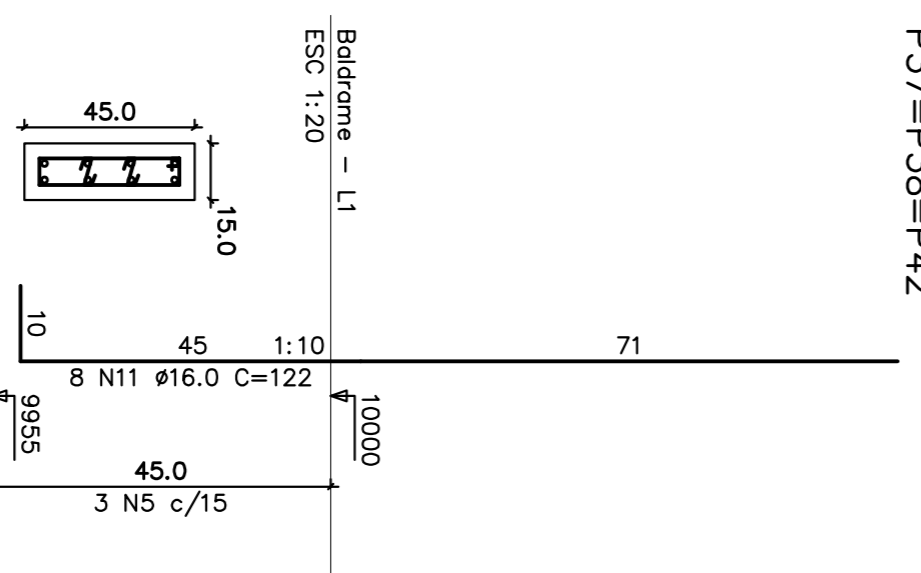
P9=P10=P17=P18=P19=P20=P50



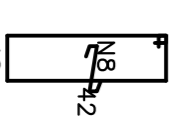
P44



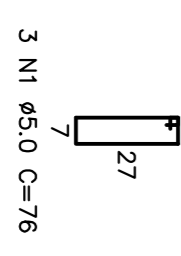
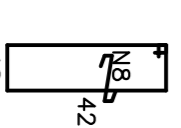
P37=P38=P42



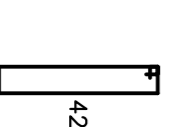
2 N7 #5.0 C=116  
4 N8 #5.0 C=22



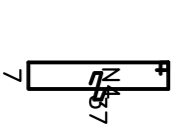
2 N7 #5.0 C=116  
2 N8 #5.0 C=22



3 N6 #5.0 C=108



3 N5 #5.0 C=96  
6 N4 #5.0 C=17



RELACÃO DO AÇO

ACO	N	DIAM	Q	UNIT	C.TOTAL
		(cm)	(cm)	(kg)	(cm)
80	1	5.0	21	76	1596
	2	5.0	1	76	76
	3	5.0	24	156	3744
	4	5.0	37	17	669
	5	5.0	3	106	318
	6	5.0	8	116	928
	7	5.0	12	212	2544
	8	6.3	64	45	2880
	9	6.3	122	2150	26230
	10	6.3	190	177	4248
	11	16.0	24	177	4248
	12	16.0	24	177	4248
	13	16.0	24	177	4248
	14	25.0	96	203	19488

RESUMO DO AÇO

ACO	DIAM	C.TOTAL	PESO+10%
	(m)	(kg)	(kg)
CASO	6.3	1632	44.1
CASO	25.0	1946	525.4
CASO	5.0	1492	255.3
<b>CASO TOTAL</b>			<b>825.8</b>
CASO	1388.0		
CASO	255.3		

Vol. concreto total = 5,89 m³  
Área de forma total = 60,08 m²  
fck = 30000 kgf/cm²

PROJETO	ABRILIT	PROJETO	TITULO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>CIE - CENTRO DE INICIAÇÃO AO ESPORTE</b>
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
PROJETO	ABRILIT	PROJETO	
ESTRUTURA DE CONCRETO - PROJETO EXECUTIVO			
GINASIO CIE-S40-45 - ARMADURA DOS ARMAQUES DOS PILARES			
28/11/13 009/0161 IMPRANTANDO MOO. 1.2.3			
28/11/13 009/0161 IMPRANTANDO MOO. 1.2.3			
1:50			
CE-S40-45-ESC-EX-4008-R001.DWG			