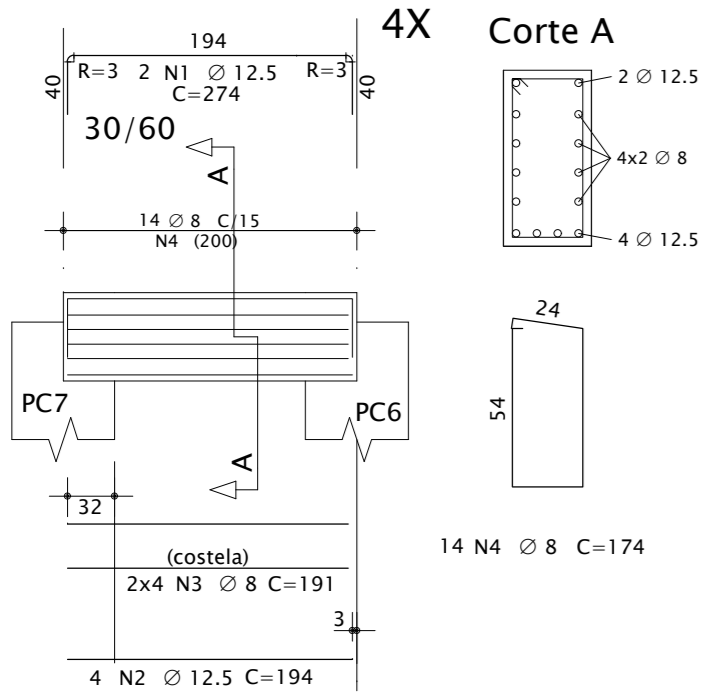
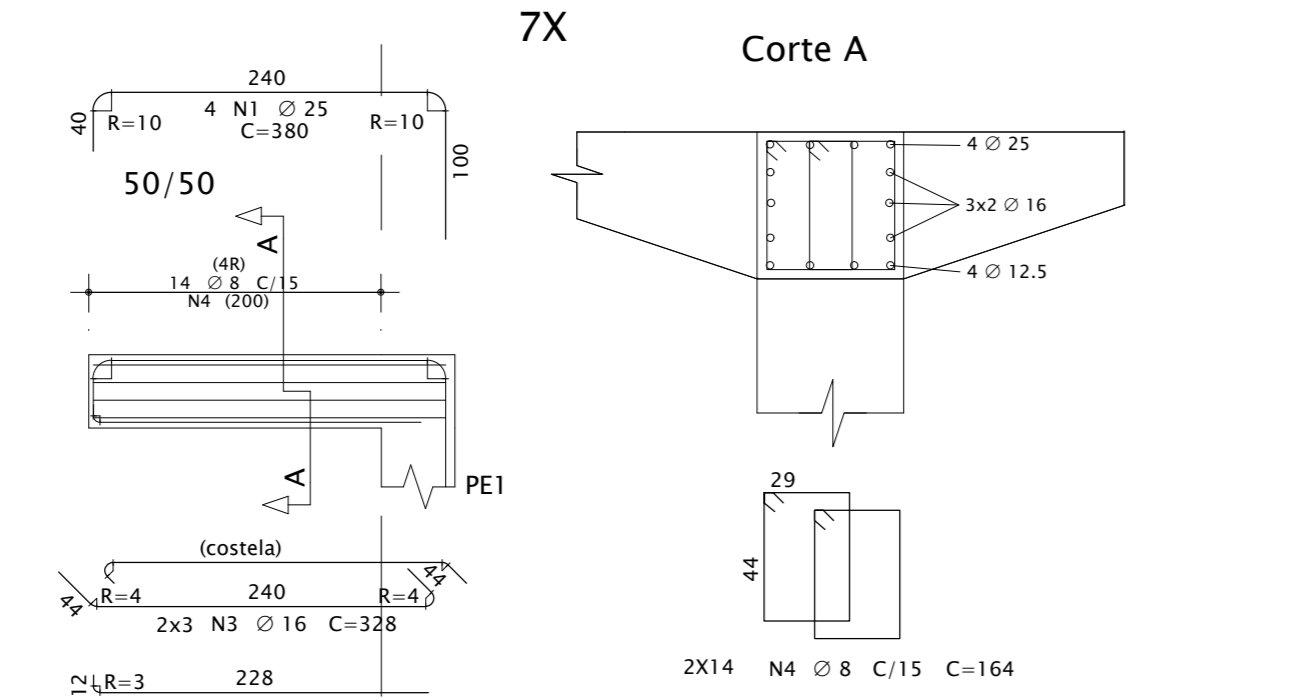


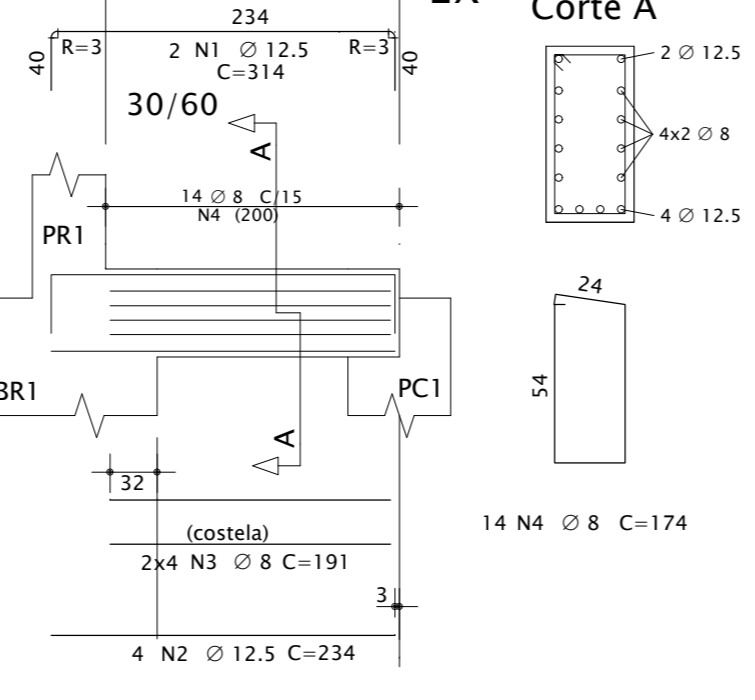
**VR12/VE1/VE4/VE7**



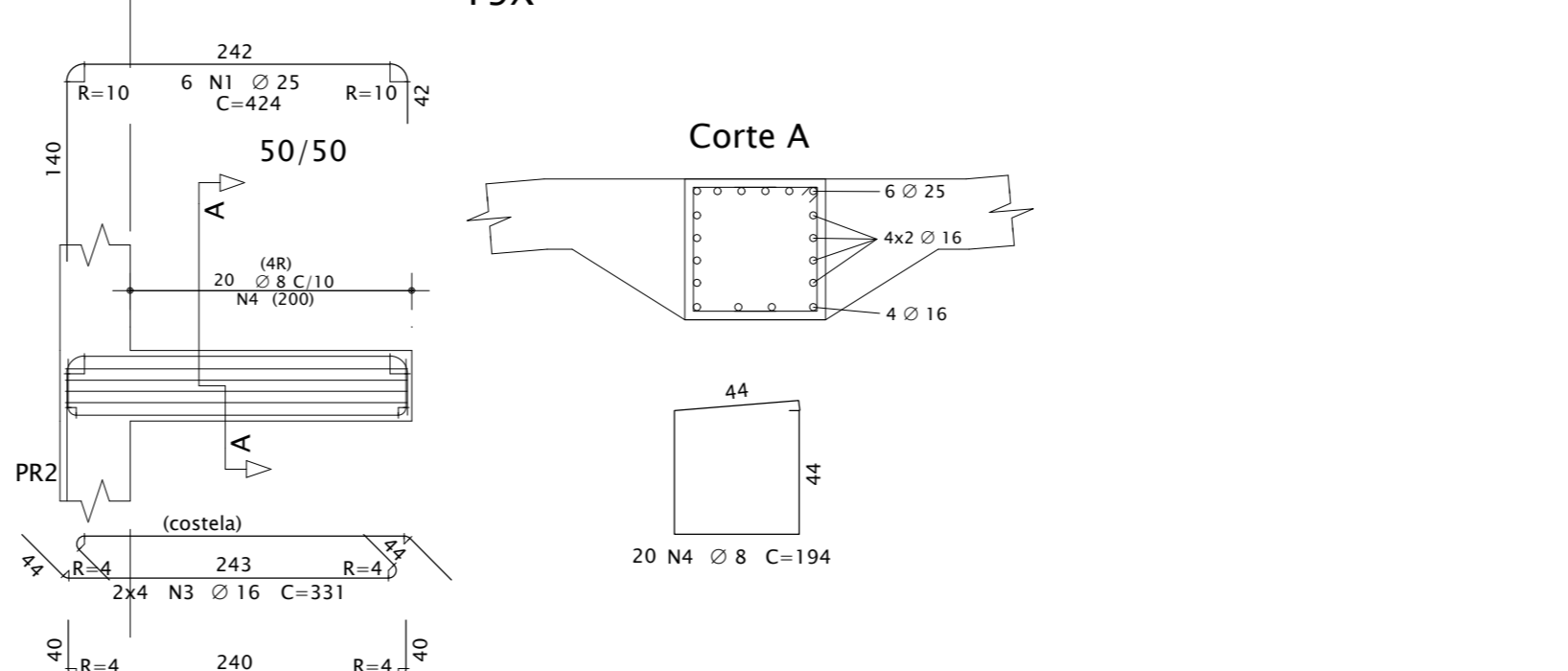
**VE2/VE5/VE9 = VE3/VE6/VE8/VE10**



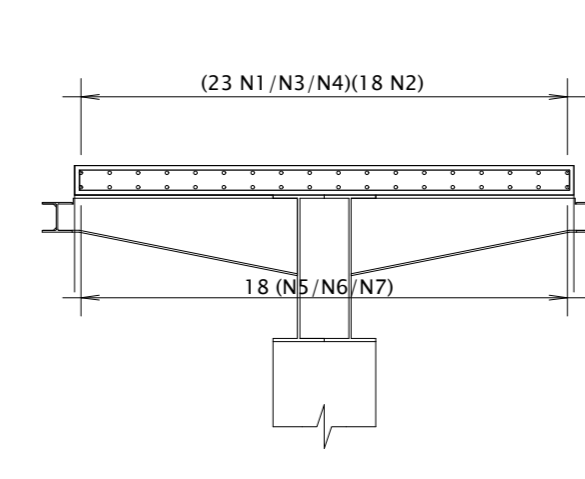
**VR1 = VR23**



**VR2=3=10=11=16=22=29=30=31 = VR6=7=13=19=24=25=26=34=35=36**



**CORTE A-A**



(SUPERIOR)  
18 N10 Ø 16 C/15 C=352

14

14

335

(INFERIOR)  
15 N9 Ø 10 C/20 C=356

14

14

335

(SUPERIOR)  
523 N8 Ø 12,5 C/20 C=354

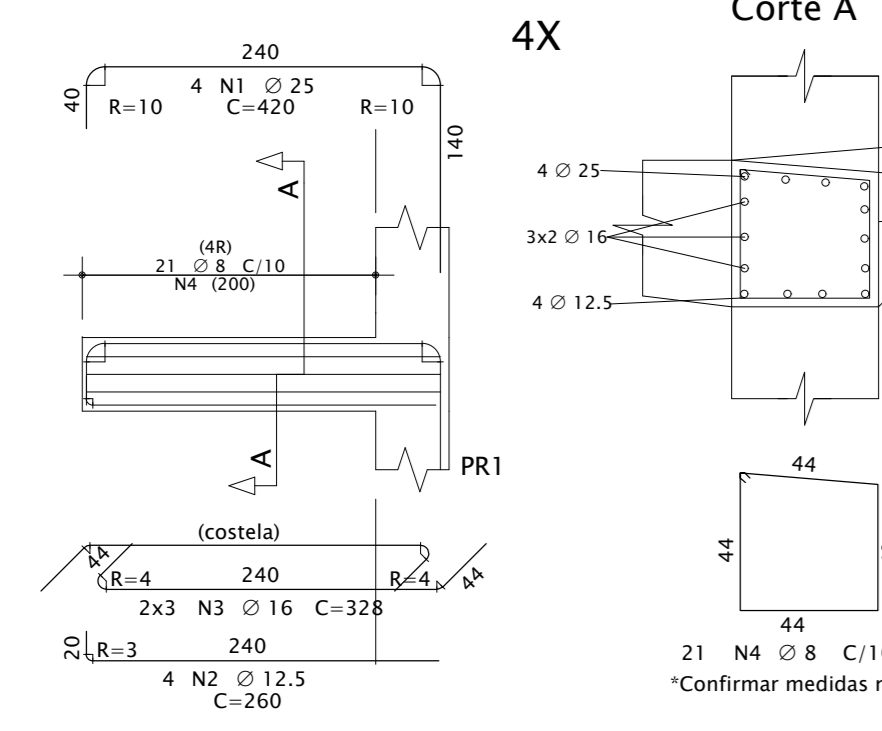
14

14

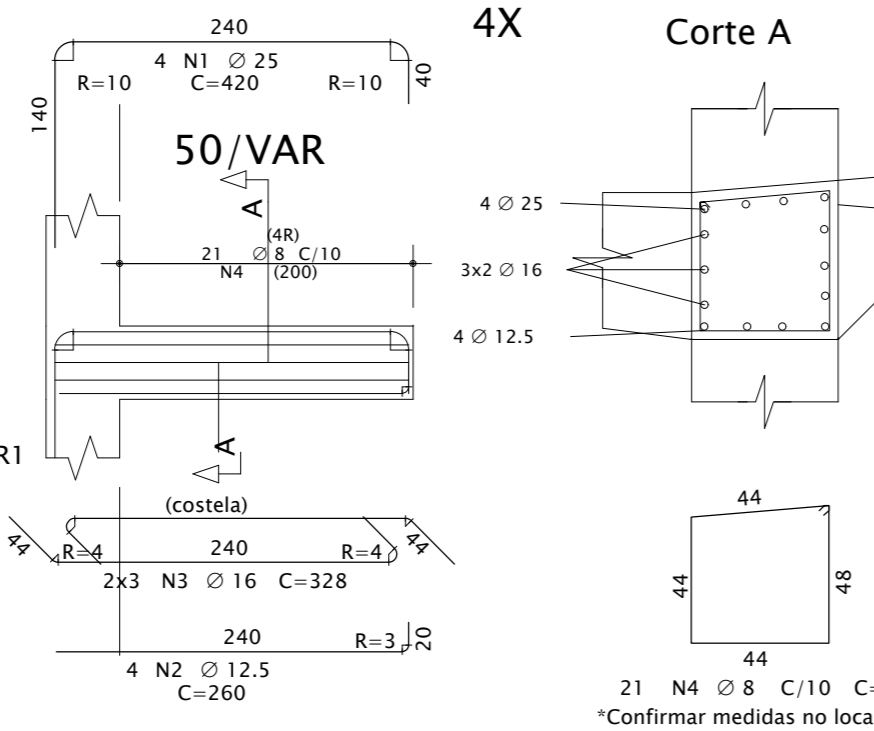
335

(INFERIOR)  
523 N9 Ø 10 C/20 C=356

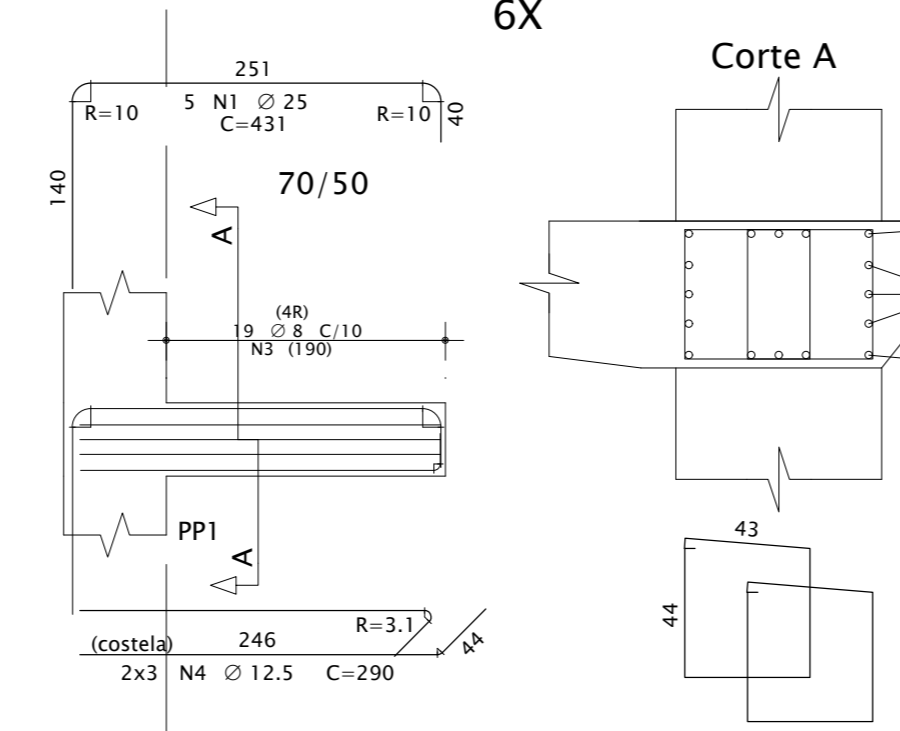
**VR8=VR14=VR20=VR32**



**VR9=VR15=VR21=VR33**



**VR4/17/28 = VR5/18/27**



ACO	POS	BIT (mm)	QUANT	COMPRIMENTO (cm)	UNID	TOTAL (cm)
<b>CORTE A-A</b>						
SA	8	12,5	523	354	185142	
SA	9	10	528	356	191508	
SA	10	8	352	636	6336	
<b>ARM. DA LAJE DA PASSARELA - NÍVEL 1109,39</b>						
SA	1	16	23	912	20976	
SA	2	16	144	1140	164160	
SA	3	20	23	960	22080	
SA	4	16	23	912	20976	
SA	5	12,5	56	382	13752	
SA	6	12,5	36	960	34560	
SA	7	12,5	144	1140	164160	
<b>VR12/VE1/VE4/VE7 (X4)</b>						
SA	1	12,5	8	274	2192	
SA	2	12,5	16	194	3104	
SA	3	8	32	191	6112	
SA	4	8	56	174	9744	
<b>VE2/VE5/VE9 = VE3/VE6/VE8/VE10 (X7)</b>						
SA	2	12,5	28	380	10640	
SA	3	16	42	328	13776	
SA	4	8	196	164	32144	
<b>VR1 = VR23 (X2)</b>						
SA	1	12,5	4	314	1256	
SA	2	12,5	8	234	1872	
SA	3	8	16	191	3056	
SA	4	8	28	174	4872	
<b>VR2=3=10=11=16=22=29=30=31 = VR6=7=13=19=24=25=26=34=35=36 (X19)</b>						
SA	1	25	114	424	48336	
SA	2	16	26	320	24200	
SA	3	16	152	331	50312	
SA	4	8	380	194	73720	
<b>VR4/17/28 = VR5/18/27 (X6)</b>						
SA	2	25	30	431	12930	
SA	3	16	270	270	8100	
SA	4	12,5	228	192	43776	
SA	5	16	24	328	7872	
<b>VR8=VR14=VR20=VR32 (X4)</b>						
SA	1	25	16	420	6720	
SA	2	12,5	16	260	4160	
SA	3	16	24	328	7872	
SA	4	8	84	189	15876	
<b>VR9=VR15=VR21=VR33 (X4)</b>						
SA	2	12,5	16	260	4160	
SA	3	16	24	328	7872	
SA	4	8	84	197	16548	

ACO	BIT (mm)	COMPR (cm)	PESO (kg)
SA	8	2018	813
SA	10	1915	1182
SA	12,5	4389	4227
SA	16	2166	4996
SA	20	221	544
SA	25	853	2288
Peso Total SA =			15050 kg

**NOTAS GERAIS:**

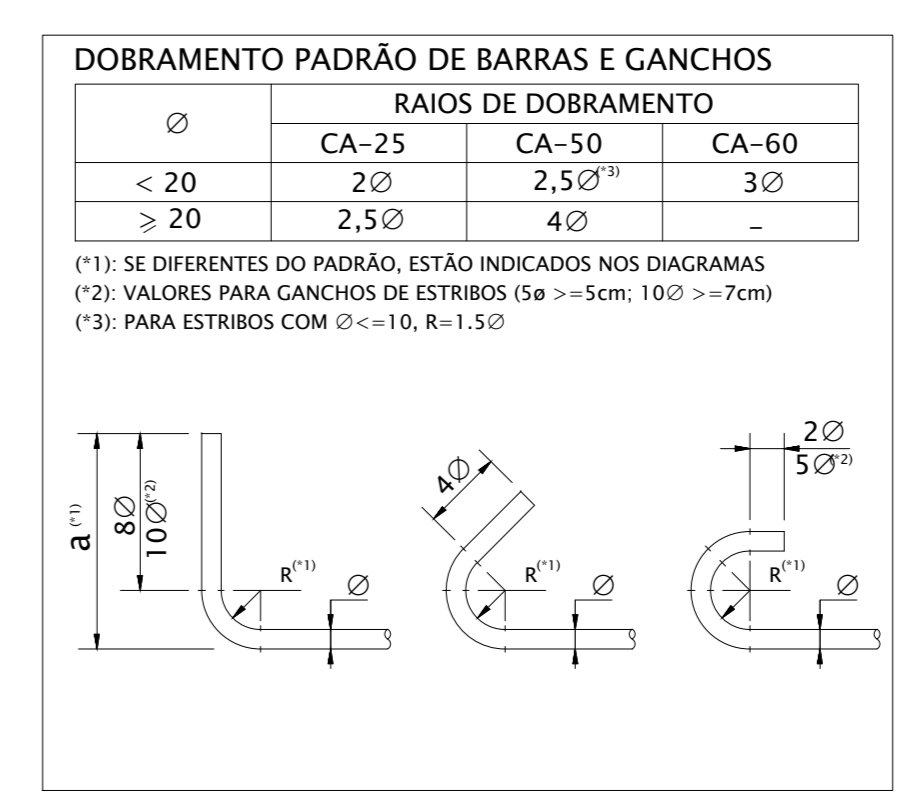
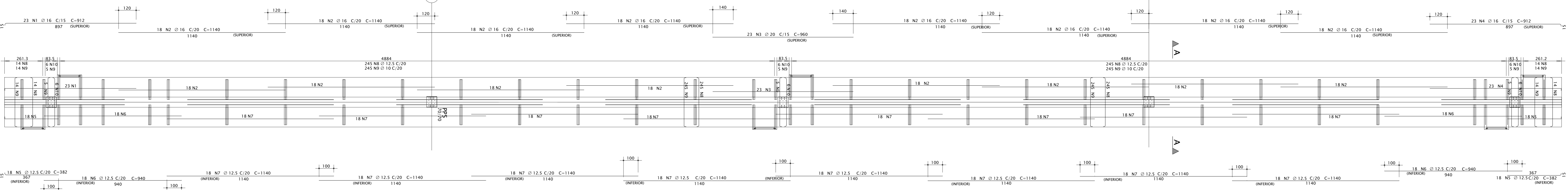
1.1. Materiais:

1.1.1. Concreto:  
Fck > ou = 30 Mpa (C30)  
Módulo de elasticidade: Ec > 26Gpa  
Relação a/c < ou = 0,60(a.c./0,55(c.p.) em massa  
Consumo de cimento > 400 Kg/m³;

1.2. Cobrimentos da estrutura: (típicos, exceto anotado)  
- vigas e pilares=3,0cm  
- lajes=2,5cm

2. Medidas em centímetros, níveis em metros;

**ARM. DA LAJE DA PASSARELA - NÍVEL 1109,39**



VE2/VE5/VE9 = VE3/VE6/VE8/VE10  
VR1 = VR23  
VR2=3=10=11=16=22=29=30=31 = VR6=7=13=19=24=25=26=34=35=36  
VR4/17/28 = VR5/18/27  
VR8=VR14=VR20=VR32  
VR9=VR15=VR21=VR33  
VR12/VE1/VE4/VE7

**TABELA DE DOBRAMENTOS MÍNIMOS**

Ø (mm)	R (cm)	A (cm)	C (cm)	DOBRAMENTO
12,5	3	4,5	7	
16	4	5,5	9	
20	6	10	16	
25	10	12,5	20	
32	12,8	16	25	

**DER DF** Engenharia e Arquitetura

**Projeto de Obras de Arte Especiais**

**BRT-DF SISTEMA DE TRANSPORTE DO EIXO NORTE**  
BRASILIA/DF - SUBTRECHO 06  
Nº 23 - ESTACAO MORADA DOS NOBRES

ARMADAÇÕES DA LAJE DA PASSARELA  
ARMADAÇÕES DAS VIGAS DAS RAMPA

ESCALA: NENHUMA  
DATA: JUNHO/2015  
PROJETO: DE-PS/BR020-EST\_023/ET-028

REVISÕES

NO	EMPENHO INICIAL	EMPENHO	VERIFICADO	APROVADO
01				

08/10