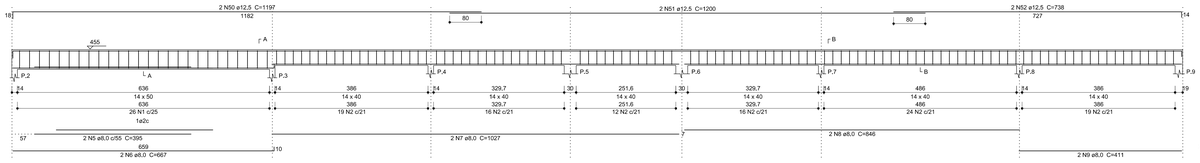
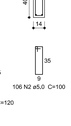
VC.1 (var)
ESC 1:50

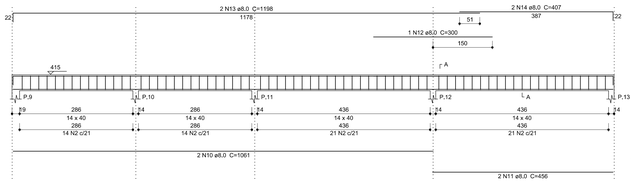


SEÇÃO A-A
ESC 1:25

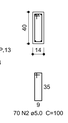
SEÇÃO B-B
ESC 1:25



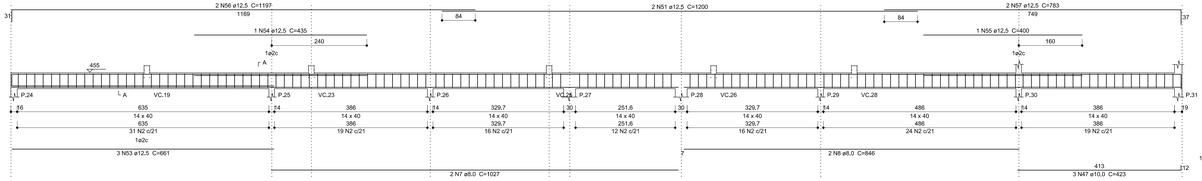
VC.2 (14 x 40)
ESC 1:50



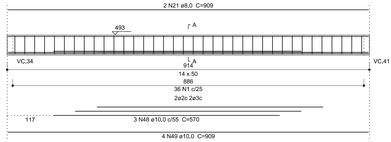
SEÇÃO A-A
ESC 1:25



VC.4 (14 x 40)
ESC 1:50

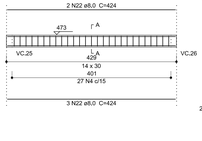


VC.5 (14 x 50)
ESC 1:50

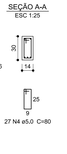


SEÇÃO A-A
ESC 1:25

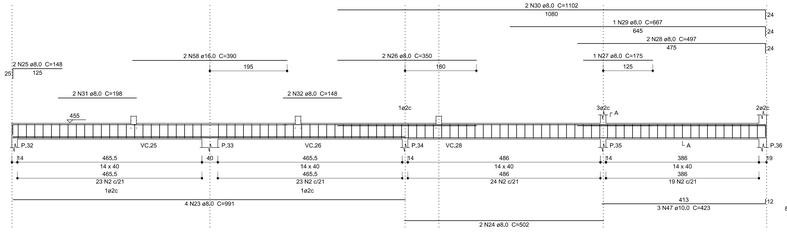
VC.6 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

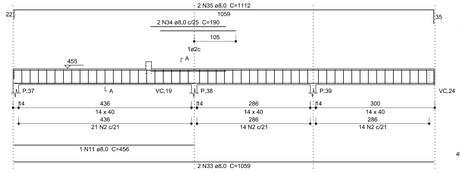


VC.13 (14 x 40)
ESC 1:50

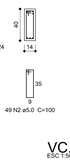


SEÇÃO A-A
ESC 1:25

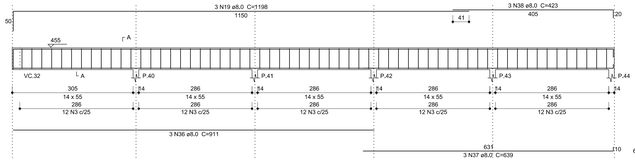
VC.14 (14 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

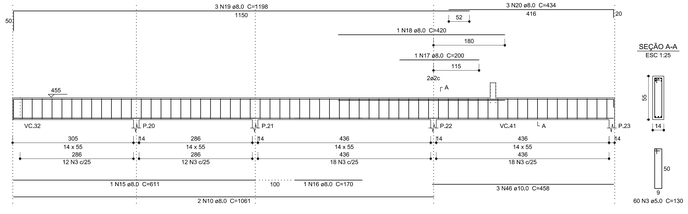


VC.15 (14 x 55)
ESC 1:50

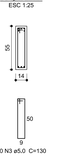


SEÇÃO A-A
ESC 1:25

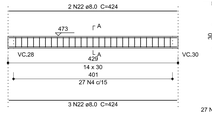
VC.3 (14 x 55)
ESC 1:50



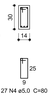
SEÇÃO A-A
ESC 1:25



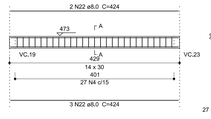
VC.7 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

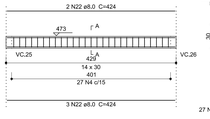


VC.8 (14 x 30)
ESC 1:50

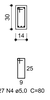


SEÇÃO A-A
ESC 1:25

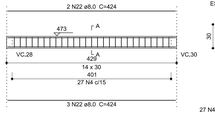
VC.9 (14 x 30)
ESC 1:50



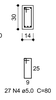
SEÇÃO A-A
ESC 1:25



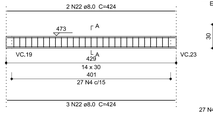
VC.10 (14 x 30)
ESC 1:50



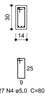
SEÇÃO A-A
ESC 1:25



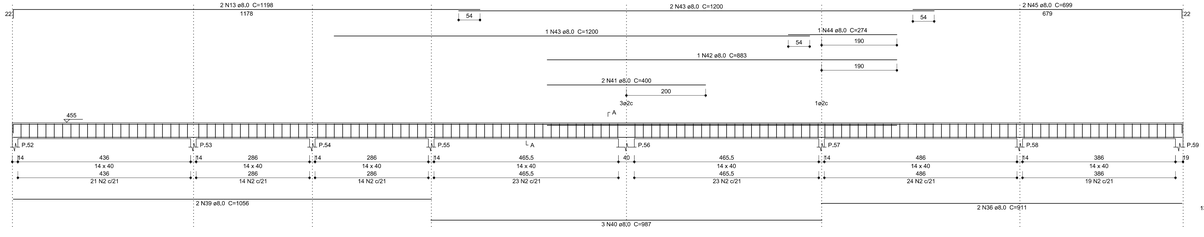
VC.11 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



VC.16 (14 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

VC.1	VC.2	VC.3
VC.4	VC.5	VC.6
VC.7	VC.8	VC.9
VC.10	VC.11	VC.13
VC.14	VC.15	VC.16

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	62	120	7440
	2	5,0	589	100	58900
	3	5,0	120	130	15600
	4	5,0	162	80	12960
CA50	5	8,0	2	395	790
	6	8,0	2	667	1334
	7	8,0	4	1027	4108
	8	8,0	4	846	3384
	9	8,0	2	411	822
	10	8,0	4	1061	4244
	11	8,0	3	456	1368
	12	8,0	1	300	300
	13	8,0	4	1198	4792
	14	8,0	2	407	814
	15	8,0	1	611	611
	16	8,0	1	170	170
	17	8,0	1	200	200
	18	8,0	1	420	420
	19	8,0	6	1198	7188
	20	8,0	3	434	1302
	21	8,0	2	909	1818
	22	8,0	30	424	12720
	23	8,0	4	991	3964
	24	8,0	2	502	1004
	25	8,0	2	148	296
	26	8,0	2	350	700
	27	8,0	1	175	175
	28	8,0	2	497	994
	29	8,0	1	667	667
	30	8,0	2	1102	2204
	31	8,0	2	198	396
	32	8,0	2	148	296
	33	8,0	2	1059	2118
	34	8,0	2	190	380
	35	8,0	2	1112	2224
	36	8,0	5	911	4555
	37	8,0	3	639	1917
	38	8,0	3	423	1269
	39	8,0	2	1056	2112
	40	8,0	3	987	2961
	41	8,0	2	400	800
	42	8,0	1	883	883
	43	8,0	3	1200	3600
	44	8,0	1	274	274
	45	8,0	2	699	1398
	46	10,0	3	458	1374
	47	10,0	6	423	2538
	48	10,0	3	570	1710
	49	10,0	4	909	3636
	50	12,5	2	1197	2394
	51	12,5	4	1200	4800
	52	12,5	2	738	1476
	53	12,5	3	661	1983
	54	12,5	1	435	435
	55	12,5	1	400	400
	56	12,5	2	1197	2394
	57	12,5	2	783	1566
	58	16,0	2	390	780

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8,0	815,8	354,1
	10,0	92,6	62,8
	12,5	154,5	163,7
	16,0	7,8	13,5
CA60	5,0	949	160,9
PESO TOTAL (kg)			
CA50	594,1		
CA60	160,9		

Volume de concreto (C-30) = 11,63 m³
Área de forma = 193,94 m²

CLIENTE: IFC CAMPUS ARAQUARI			FOLHA 09 / Unidade 1
LOCAL: BR 280 KM 27			
BAIRRO: ----		CIDADE: ARAQUARI - SC	
DETALHAMENTO DAS VIGAS DO PAVIMENTO COBERTURA 1/2			
PROJETO ESTRUTURAL			
DESENHO: Cirilo Junior	ESCALA: Indicadas	DATA: 14/06/2013	DATA ULT. MODIF.: 08/10/2013
Rua Nazareno, 426 - Bairro Gloria - Joinville - SC - Fone 47 3427-6555			

Cirilo Jr
Engenheiro Civil
CIRILO DE ALEXANDRIA ALMEIDA JR
Engenheiro Civil - CREA 004274-4