Relação do aço

V24	V25	V26
V27	V28	V29
V30	V31	V32
V33	V34	V35
V36	V37	V38
V40	V41	V42
V43	V44	V45
V46	V47	

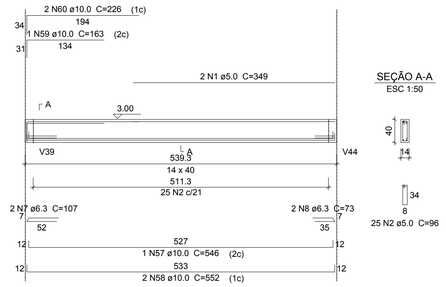
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	349	698
	2	5.0	465	96	44640
	3	5.0	2	231	462
	4	5.0	2	221	442
	5	5.0	2	265	530
	6	5.0	4	161	644
CA50	7	6.3	2	107	214
	8	6.3	3	73	219
	9	6.3	2	105	210
	10	8.0	6	142	852
	11	8.0	2	449	898
	12	8.0	2	153	306
	13	8.0	2	304	608
	14	8.0	2	351	702
	15	8.0	2	285	570
	16	8.0	2	334	668
	17	8.0	2	533	1066
	18	8.0	2	162	324
	19	8.0	1	128	128
	20	8.0	2	178	356
	21	8.0	2	468	936
	22	8.0	1	110	110
	23	8.0	2	504	1008
	24	8.0	2	559	1118
	25	8.0	2	605	1210
	26	8.0	4	674	2696
	27	8.0	2	720	1440
	28	8.0	2	627	1254
	29	8.0	2	673	1346
	30	8.0	2	575	1150
	31	8.0	2	621	1242
	32	8.0	2	729	1458
	33	8.0	2	334	668
	34	8.0	2	333	666
	35	8.0	4	335	1340
	36	8.0	4	382	1528
	37	8.0	4	326	1304
	38	8.0	1	133	133
	39	8.0	2	375	750
	40	8.0	4	325	1300
	41	8.0	1	132	132
	42	8.0	2	373	746
	43	8.0	2	372	744
	44	8.0	2	371	742
	45	8.0	1	233	233
	46	8.0	2	849	1698
	47	8.0	2	400	800
	48	8.0	2	260	520
	49	8.0	2	448	896
	50	8.0	2	416	832
	51	8.0	1	129	129
	52	8.0	2	461	922
	53	8.0	2	472	944
	54	8.0	1	136	136
	55	8.0	1	107	107
	56	8.0	2	496	992
	57	10.0	1	546	546
	58	10.0	2	552	1104
	59	10.0	1	163	163
	60	10.0	2	226	452
	61	10.0	2	468	936
	62	10.0	2	379	758
	63	10.0	2	378	756
	64	12.5	2	881	1762

Resumo do aço

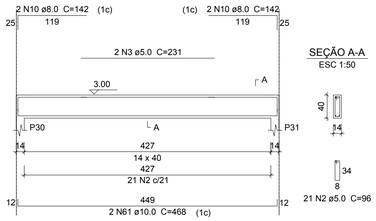
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	6.5	1.7
	8.0	382.8	166.1
	10.0	47.2	32
	12.5	17.7	18.7
CA60	5.0	474.2	80.4
PESO TOTAL			
CA50	218.5		
CA60	80.4		

Vol. de concreto total (C-25) = 5.96 m³
Área de forma total = 100.07 m²

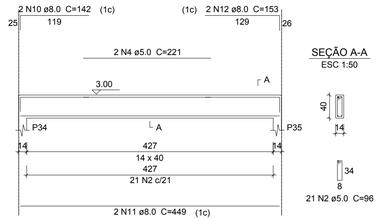
V24
ESC 1:50



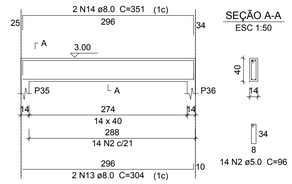
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ESC 1:50



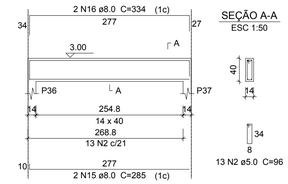
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ESC 1:50



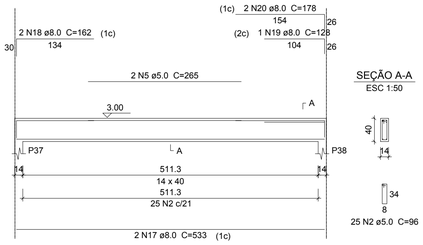
V27
ESC 1:50



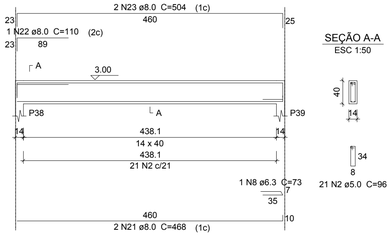
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ESC 1:50



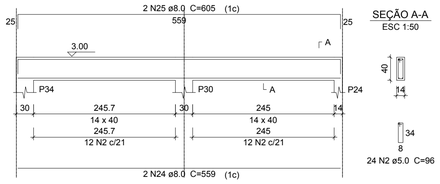
V29
ESC 1:50



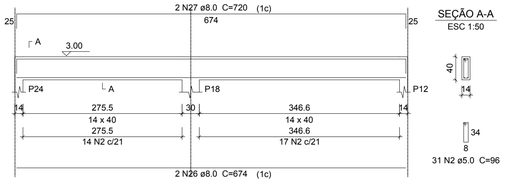
V30
ESC 1:50



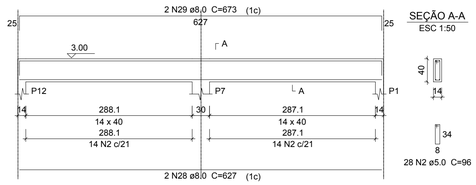
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ESC 1:50



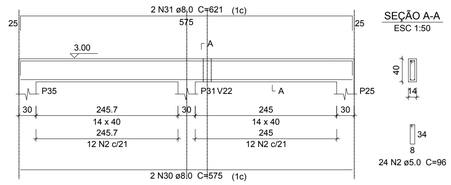
V32
ESC 1:50



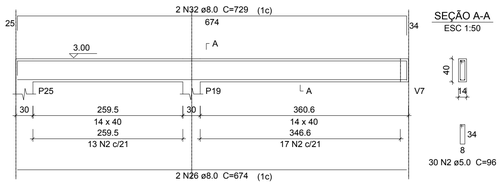
V33
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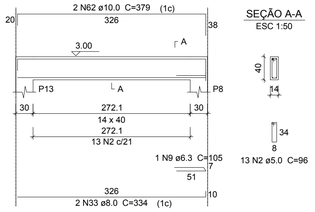
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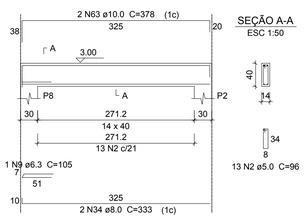
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ESC 1:50



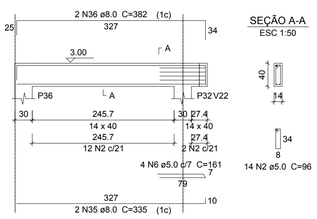
V36
ESC 1:50



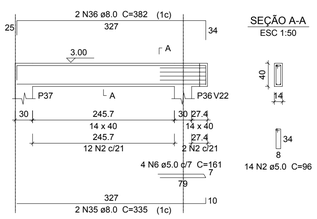
V37
ESC 1:50



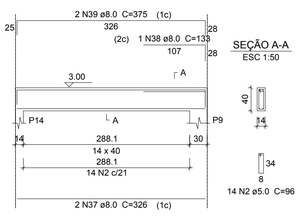
V38
ESC 1:50



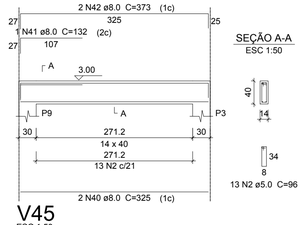
V39
ESC 1:50



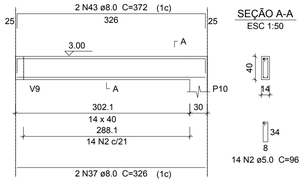
V40
ESC 1:50



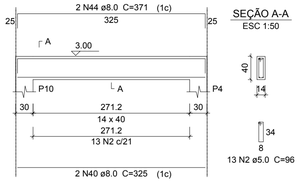
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ESC 1:50



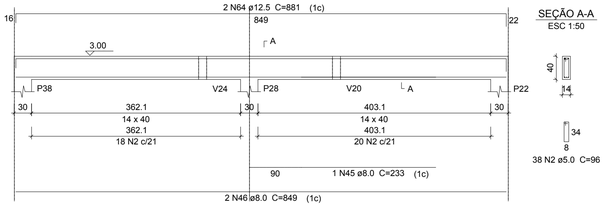
V42
ESC 1:50



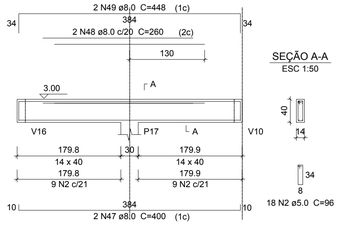
V43
ESC 1:50



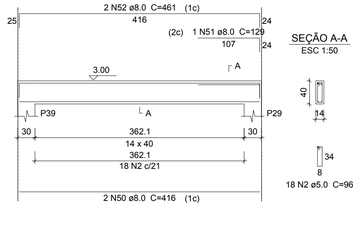
V44
ESC 1:50



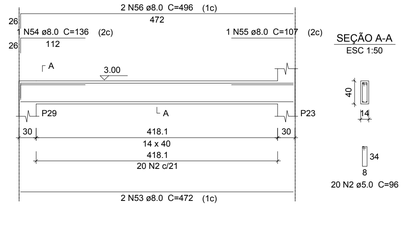
V45
ESC 1:50



V46
ESC 1:50



V47
ESC 1:50



13 VIGAS COBERTURA
ESCALA: 1/50

APROVAÇÃO:

Engeobra
CREA SC 158.454-0
ENGENHARIA E INFRAESTRUTURA

Rua Primo Tacca, 350, Bairro Tacca - Xanxerê- SC
E-mail:engenharia.engeobra@gmail.com Cel: (49) 9 9976-0226

OBRA: CONSTRUÇÃO CEIM - AMPLIAÇÃO 01

LOCAL: Vila Diadema

PROJETO: ESTRUTURAL

ESPECIFICAÇÕES:
- Vigas de cobertura

DATA: 04/2021

DESENHO: T.L

ÁREA: 367,97 m²

ESCALA: Indicada

PRANCHA: 09 /10

Projeto:

Assinado de forma digital por ENGEOBRA ENGENHARIA E INFRAESTRUTURA EIRELI:26831579000128
Dados: 2021.06.17 16:17:37 -03'00'

SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:

PREFEITURA MUNICIPAL DE XAXIM