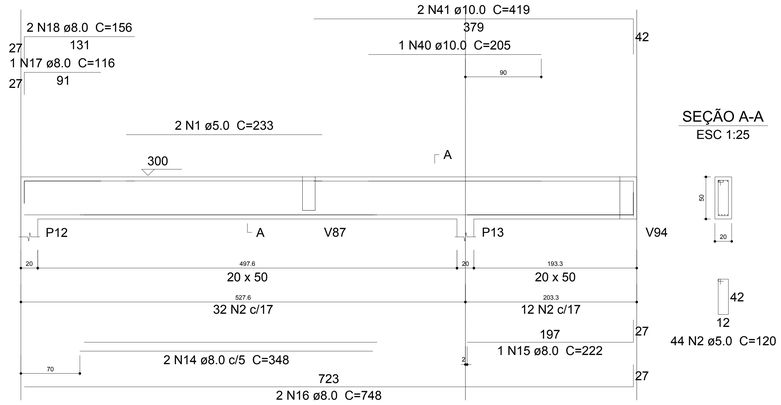
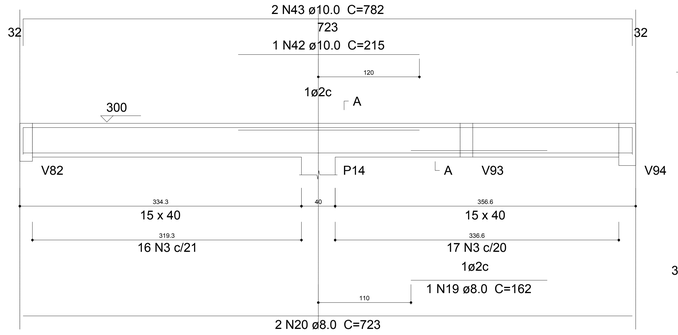
V16
ESC 1:25

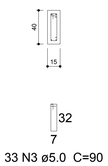


SEÇÃO A-A
ESC 1:25

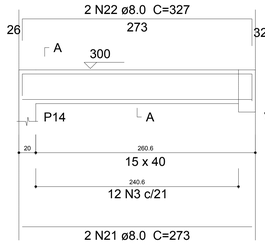
V17
ESC 1:25



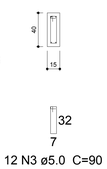
SEÇÃO A-A
ESC 1:25



V87
ESC 1:25



SEÇÃO A-A
ESC 1:25

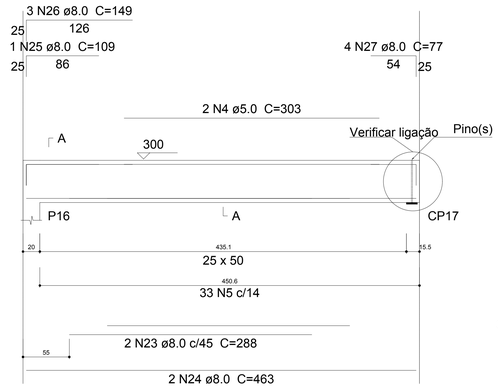


Relação do aço

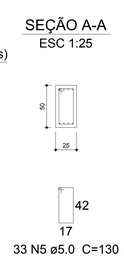
V16	V17	V19
V21	V22	V28
V30	V31	V35
V69	V87	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	233	466
	2	5.0	69	120	8280
	3	5.0	120	90	10800
	4	5.0	2	303	606
	5	5.0	33	130	4290
	6	5.0	2	318	636
	7	5.0	2	299	598
	8	5.0	29	88	2552
	9	5.0	2	427	854
	10	5.0	27	110	2970
	11	5.0	2	231	462
	12	5.0	2	405	810
CA50	13	6.3	2	96	192
	14	8.0	2	348	696
	15	8.0	1	222	222
	16	8.0	2	748	1496
	17	8.0	1	116	116
	18	8.0	2	156	312
	19	8.0	1	162	162
	20	8.0	2	723	1446
	21	8.0	2	273	546
	22	8.0	2	327	654
	23	8.0	2	288	576
	24	8.0	2	463	926
	25	8.0	1	109	109
	26	8.0	3	149	447
	27	8.0	4	77	308
	28	8.0	6	79	474
	29	8.0	1	133	133
	30	8.0	1	397	397
	31	8.0	2	629	1258
	32	8.0	2	200	400
	33	8.0	2	653	1306
	34	8.0	3	72	216
	35	8.0	2	140	280
	36	8.0	2	180	360
	37	8.0	2	405	810
	38	8.0	2	410	820
	39	8.0	2	470	940
	40	10.0	1	205	205
	41	10.0	2	419	838
	42	10.0	1	215	215
	43	10.0	2	782	1564
	44	10.0	1	208	208
	45	10.0	2	405	810
	46	10.0	2	323	646
	47	10.0	2	495	990
	48	10.0	2	162	324
	49	10.0	2	227	454
	50	10.0	2	387	774
	51	12.5	3	653	1959
	52	12.5	1	206	206
	53	12.5	2	215	430

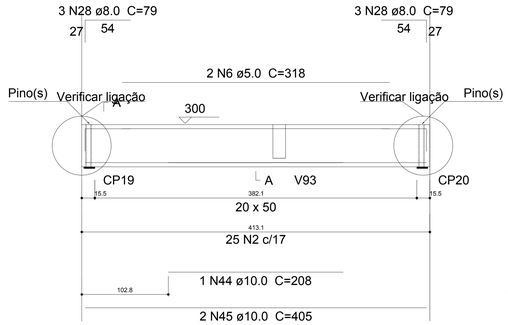
V19
ESC 1:25



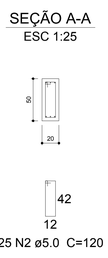
SEÇÃO A-A
ESC 1:25



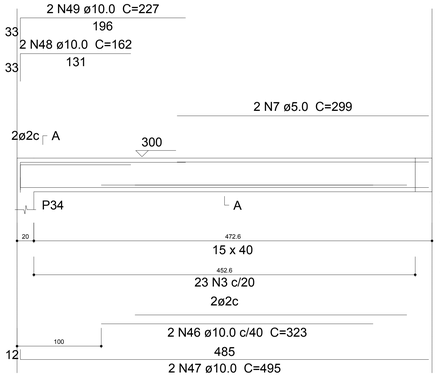
V21
ESC 1:25



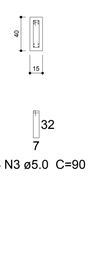
SEÇÃO A-A
ESC 1:25



V22
ESC 1:25

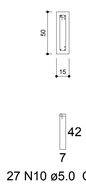


SEÇÃO A-A
ESC 1:25



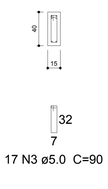
V30
ESC 1:25

SEÇÃO A-A
ESC 1:25



V31
ESC 1:25

SEÇÃO A-A
ESC 1:25



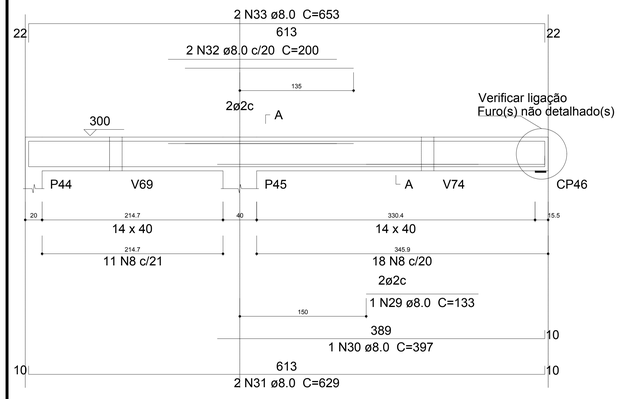
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	2	0.5
	8.0	154.1	66.9
	10.0	70.3	47.7
	12.5	26	27.5
CA60	5.0	333.3	56.5

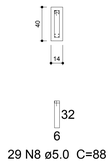
PESO TOTAL (kg)	
CA50	142.6
CA60	56.5

Volume de concreto (fck 30) = 4,2 m³
Área

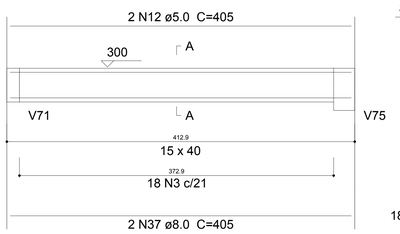
V28
ESC 1:25



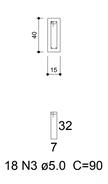
SEÇÃO A-A
ESC 1:25



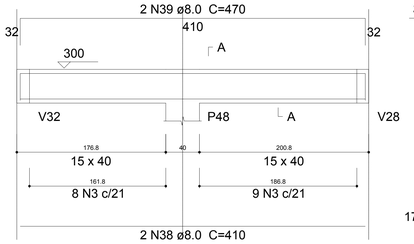
V35
ESC 1:25



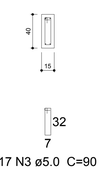
SEÇÃO A-A
ESC 1:25



V69
ESC 1:25



SEÇÃO A-A
ESC 1:25



19 VIGAS COBERTURA (Estrutura h=3,00m)
ESCALA: 1/25

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:
GINÁSIO SANTA TEREZINHA

LOCAL:
Rua Achiles Biassotto, s/n, Bairro Guarany - Xaxim - SC

PROJETO:
PROJETO ESTRUTURAL

ESPECIFICAÇÕES:
- Vigas cobertura

DATA: 02/2022
DESENHO: T.L
ÁREA: 3.544,73 m²
ESCALA: Indicada
PRANCHA: 13 /26

Projeto:
Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:04412294927
Dados: 2022.03.09 14:19:31 -03'00'
SAMUEL SPESSATTO OUTEIRO
Eng° Civil- CREA SC 133319-7

Proprietário:
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CNPJ 82.854.870/0001-30