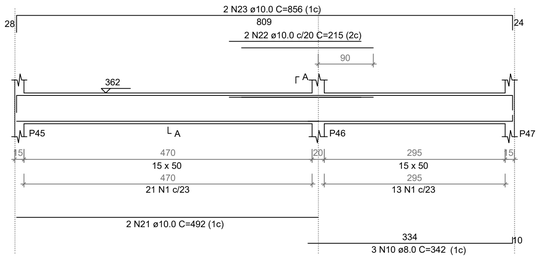
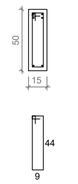
V1
ESC 1:50

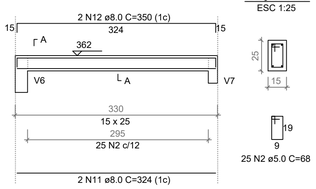


SEÇÃO A-A
ESC 1:25



34 N1 ø5.0 C=118

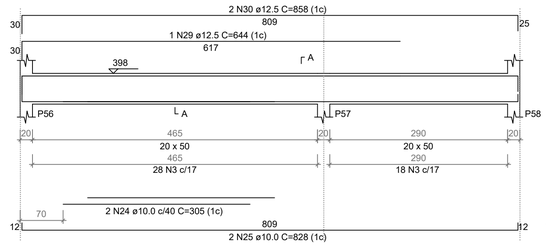
V2
ESC 1:50



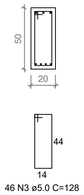
SEÇÃO A-A
ESC 1:25

25 N2 ø5.0 C=68

V3
ESC 1:50

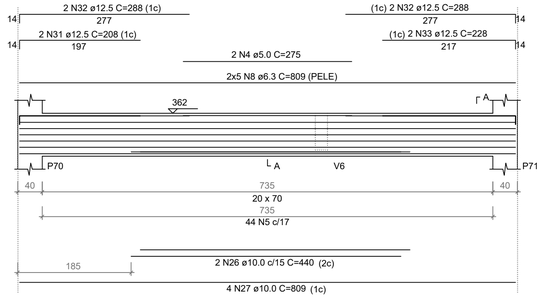


SEÇÃO A-A
ESC 1:25

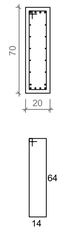


46 N3 ø5.0 C=128

V4
ESC 1:50

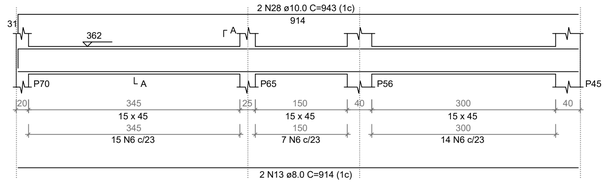


SEÇÃO A-A
ESC 1:25

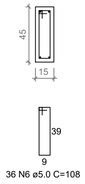


44 N5 ø5.0 C=168

V5
ESC 1:50

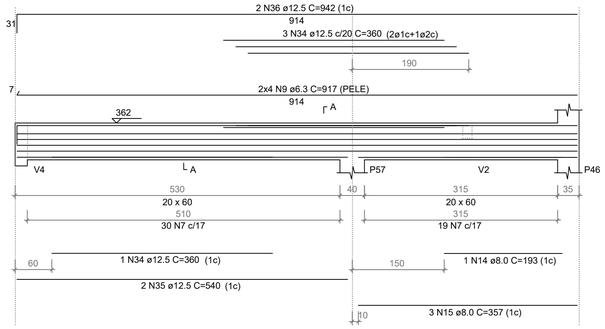


SEÇÃO A-A
ESC 1:25

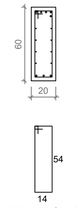


36 N6 ø5.0 C=108

V6
ESC 1:50

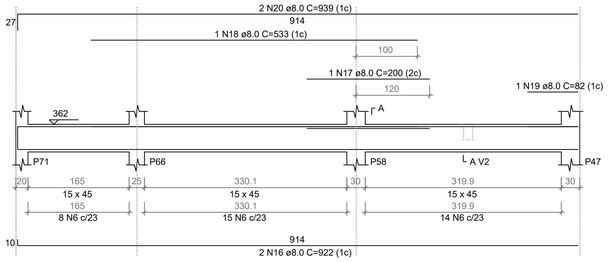


SEÇÃO A-A
ESC 1:25

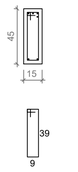


49 N7 ø5.0 C=148

V7
ESC 1:50



SEÇÃO A-A
ESC 1:25



V1 V2 V3
V4 V5 V6
V7

Relação do aço das vigas cobertura recepção

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	34	118	4012
	2	5.0	25	68	1700
	3	5.0	46	128	5888
	4	5.0	2	275	550
	5	5.0	44	168	7392
	6	5.0	73	108	7884
	7	5.0	49	148	7252
CA50	8	6.3	10	809	8090
	9	6.3	8	917	7336
	10	8.0	3	342	1026
	11	8.0	2	324	648
	12	8.0	2	350	700
	13	8.0	2	914	1828
	14	8.0	1	193	193
	15	8.0	3	357	1071
	16	8.0	2	922	1844
	17	8.0	1	200	200
	18	8.0	1	533	533
	19	8.0	1	82	82
	20	8.0	2	939	1878
	21	10.0	2	492	984
	22	10.0	2	215	430
	23	10.0	2	856	1712
	24	10.0	2	305	610
	25	10.0	2	828	1656
	26	10.0	2	440	880
	27	10.0	4	809	3236
	28	10.0	2	943	1886
	29	12.5	1	644	644
	30	12.5	2	858	1716
	31	12.5	2	208	416
	32	12.5	4	288	1152
	33	12.5	2	228	456
	34	12.5	4	360	1440
	35	12.5	2	540	1080
	36	12.5	2	942	1884

Resumo do aço das vigas cobertura recepção

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	154.3	41.5
	8.0	100.1	43.4
	10.0	114	77.3
	12.5	87.9	93.1
CA60	5.0	346.8	58.8
PESO TOTAL (kg)			
CA50		255.3	
CA60		58.8	

Volume de concreto (C-30) = 5.04 m³
Área de forma = 66.54 m²

Relação do aço das lajes cobertura recepção

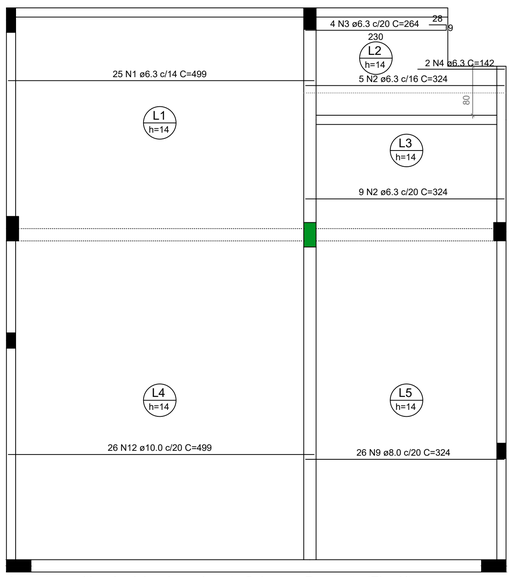
Positivos X Positivos Y

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	25	499	12475
	2	6.3	14	324	4536
	3	6.3	4	264	1056
	4	6.3	4	142	568
	5	6.3	5	124	620
	6	6.3	10	184	1840
	7	6.3	15	199	2985
	8	6.3	15	554	8310
	9	8.0	26	324	8424
	10	8.0	24	374	8976
	11	8.0	32	554	17728
	12	10.0	26	499	12974

Resumo do aço das lajes cobertura recepção

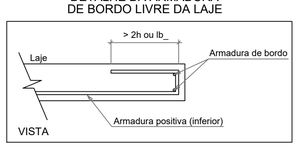
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	323.9	87.2
	8.0	351.3	152.5
	10.0	129.8	88
PESO TOTAL (kg)			
CA50		327.6	

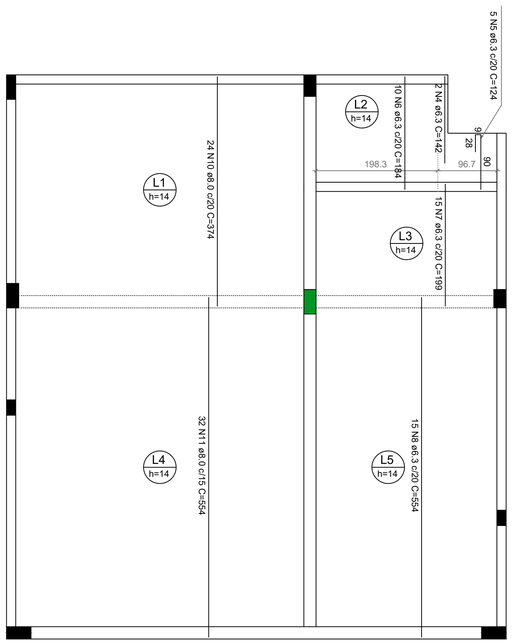
Volume de concreto (C-30) = 9.13 m³
Área de forma = 65.45 m²



Armação positiva das lajes do pavimento Cobertura Recepção (Eixo X)
Esc.: 1/50

DETALHE DA ARMADURA
DE BORDO LIVRE DA LAJE





Armação positiva das lajes do pavimento Cobertura Recepção (Eixo Y)
Esc.: 1/50

APROVAÇÕES

Prefeitura Municipal de Rancho Queimado

Praça Leonardo Sell, 40 - Centro - Rancho Queimado - Santa Catarina - CEP 88470-000
Fone: (48) 3275-3100 - E-mail: pmrq@ranchoqueimado.sc.gov.br - site: www.rq.sc.gov.br
CNPJ 82.892.357/0001-96

Local da obra:

Rua Nossa Senhora dos Nascituros, s/n.º - Centro , Rancho Queimado

PROJETO ESTRUTURAL

EDIFICAÇÃO INSTITUCIONAL

Proprietário:

Prefeitura Municipal de Rancho Queimado
82.892.357/0001-96

Responsável Técnico(a) de projeto:

JONATHAN DE SOUZA NUNES
CREA/SC 156148-2

Área:	Data:	Escala:	Arquivo:	Unidades de medida :	FOLHA:
513,22 m²	17/04/2023	Indicada	ESTRUTURAL.dwg	metros e metros quadrados	18 DE: 21

Conteúdo: VIGAS DA PAVTO COBERTURA RECEPÇÃO E LAJES POSITIVA E NEGATIVA