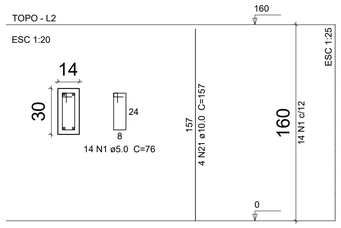
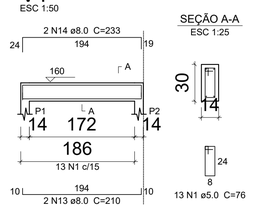
P1=P2=P5=P6=P7=P8=P11=P12

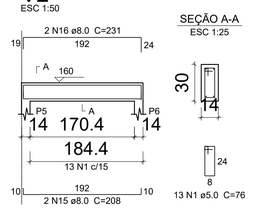


V1
ESC 1:50



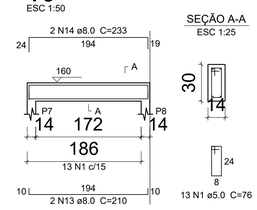
SEÇÃO A-A
ESC 1:25

V2
ESC 1:50



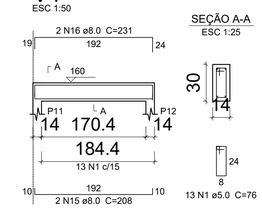
SEÇÃO A-A
ESC 1:25

V3
ESC 1:50



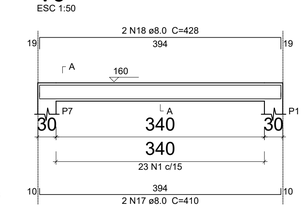
SEÇÃO A-A
ESC 1:25

V4
ESC 1:50



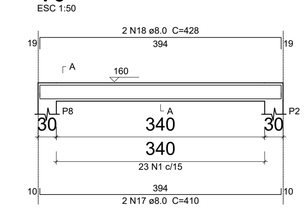
SEÇÃO A-A
ESC 1:25

V5
ESC 1:50

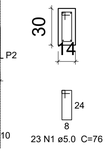


SEÇÃO A-A
ESC 1:25

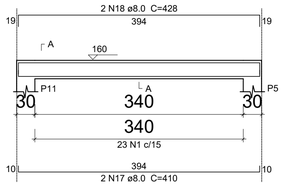
V6
ESC 1:50



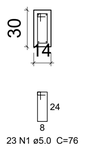
SEÇÃO A-A
ESC 1:25



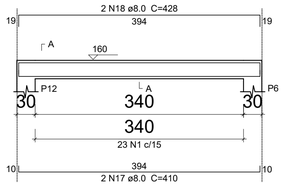
V7
ESC 1:50



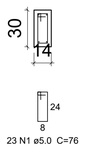
SEÇÃO A-A
ESC 1:25



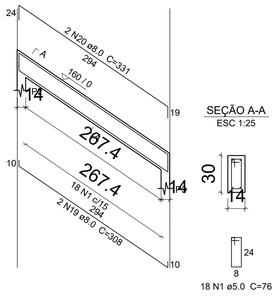
V8
ESC 1:50



SEÇÃO A-A
ESC 1:25

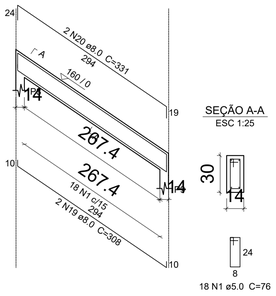


V9
ESC 1:50



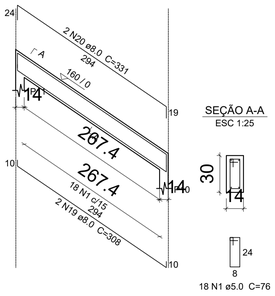
SEÇÃO A-A
ESC 1:25

V10
ESC 1:50



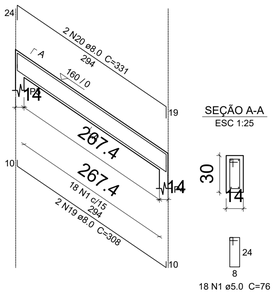
SEÇÃO A-A
ESC 1:25

V11
ESC 1:50



SEÇÃO A-A
ESC 1:25

V12
ESC 1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

Negativos	8xP1	Positivos
V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12

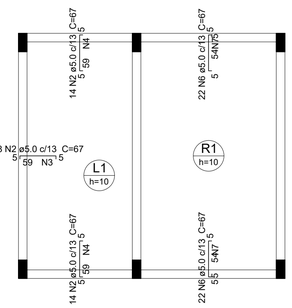
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	328	76	24928
	2	5.0	112	67	7504
	3	5.0	12	358	4296
	4	5.0	8	186	1488
	5	5.0	8	184	1472
	6	5.0	88	67	5896
	7	5.0	16	235	3760
	8	5.0	28	78	2184
	9	5.0	25	194	4850
	10	5.0	54	394	21276
	11	5.0	25	192	4800
	12	5.0	54	300	16200
CA50	13	8.0	4	210	840
	14	8.0	4	233	932
	15	8.0	4	208	832
	16	8.0	4	231	924
	17	8.0	8	410	3280
	18	8.0	8	428	3424
	19	8.0	8	308	2464
	20	8.0	8	331	2648
	21	10.0	32	157	5024

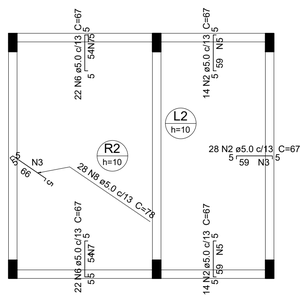
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	153.5	66.6
	10.0	50.3	34.1
CA60	5.0	986.6	167.3
PESO TOTAL			
CA50	100.7		
CA60	167.3		

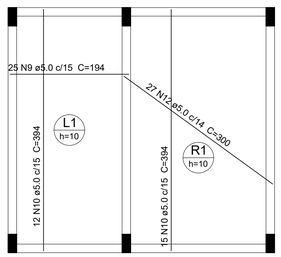
Vol. de concreto total (C-25) = 5.23 m³
Área de forma total = 69 m²

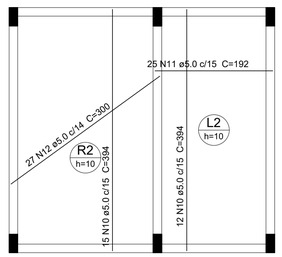
Ferros de distribuição	
Ferro	Armadura de distribuição
N2	4 N3 ø5.0 c/ 15 C=358
N2	4 N4 ø5.0 c/ 15 C=186
N2	4 N4 ø5.0 c/ 15 C=186
N2	4 N3 ø5.0 c/ 15 C=358
N2	4 N5 ø5.0 c/ 15 C=184
N2	4 N5 ø5.0 c/ 15 C=184
N6	4 N7 ø5.0 c/ 15 C=235
N6	4 N7 ø5.0 c/ 15 C=235
N6	4 N7 ø5.0 c/ 15 C=235
N8	4 N3 ø5.0 c/ 15 C=358
N6	4 N7 ø5.0 c/ 15 C=235



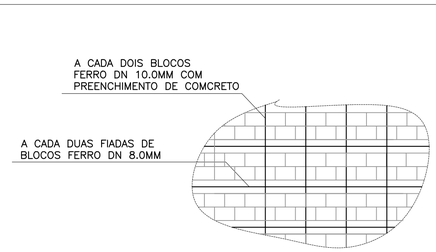


ARMAÇÃO NEGATIVA LAJE TOPO
escala 1:50

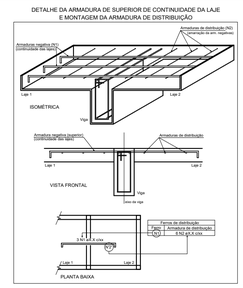




ARMAÇÃO POSITIVA LAJE TOPO
escala 1:50



DETALHES DA ARMAÇÃO DO
BLOCO ESTRUTURAL



PREFEITURA MUNICIPAL DE GUAÇUÍ
ESTADO DO ESPIRITO SANTO

PROJETO ESTRUTURAL

OBRA:
PROJETO DE REFORMA REQUALIFICAÇÃO URBANA
DA AV. AGENOR LUIZ THOMÉ

CONTEÚDO: PISTA SKATE

LOCAL: AV. AGENOR LUIZ THOMÉ - (BEIRA RIO) GUAÇUÍES

* DIMENSÕES DO DESENHO EM METRO
** ESCALA INDICADA EM PLANTAS

DATA: JUNHO/26

MODIFICAÇÕES:

FOLHA: 13/18

ÁREAS:

ARQUIVO Nº: ESTRUT-001

ASSINATURA:

PAULO VICTOR TEIXEIRA DEASCÂNIO
CREA-ES-050212/D