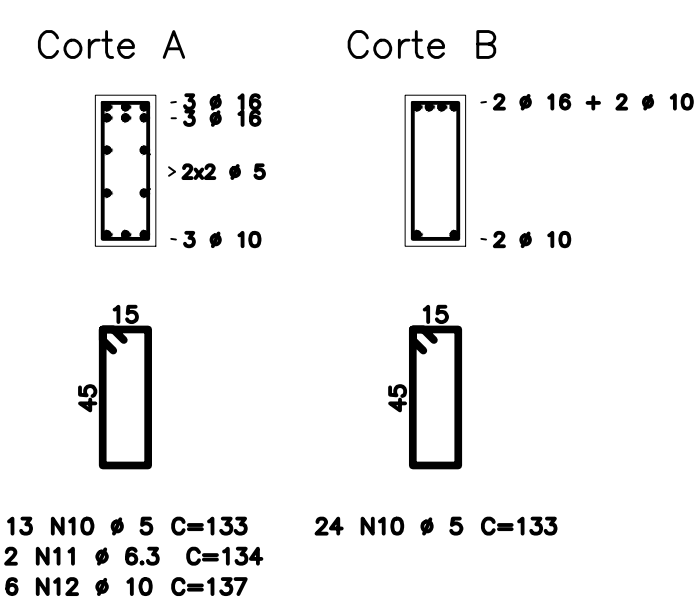
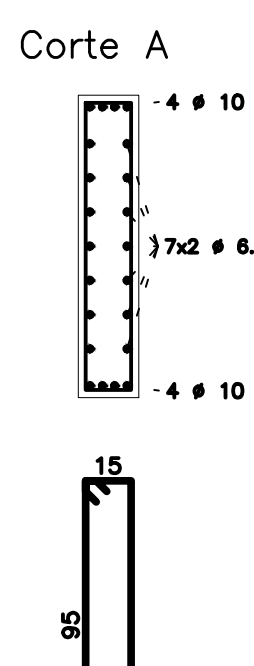
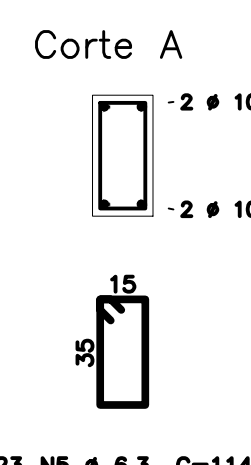


The drawing illustrates the reinforcement layout for a reinforced concrete slab. The top view (upper half) shows the plan of the slab with reinforcement bars (N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12) and their respective diameters and spacings. The side view (lower half) shows the cross-section of the slab, indicating the vertical position of the reinforcement bars relative to the slab thickness and the concrete cover. Key dimensions include the slab thickness (20/50 cm), the effective depth (20 cm), and the concrete cover (5 cm). The drawing also shows the location of the reinforcement bars relative to the slab edges and the centerline.

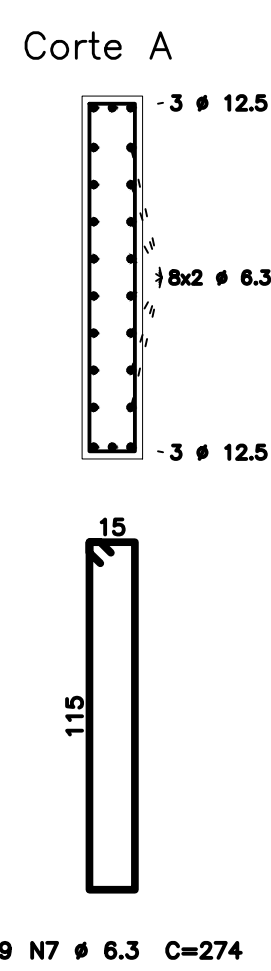


Technical drawing of a building facade elevation. The drawing shows a series of horizontal window bands with various dimensions and labels. The top section features a band with a width of 46 and a height of 198, labeled "2 N2 # 10 C=230". Below this is a band with a width of 128 and a height of 128, labeled "2 N1 # 6.3 C=280". The middle section shows a band with a width of 128 and a height of 128, labeled "2 N3 # 10 C=160". Below this is a band with a width of 128 and a height of 128, labeled "2 N4 # 10 C=585". The bottom section shows a band with a width of 128 and a height of 128, labeled "2 N5 # 6.3 C=114". The drawing also includes a section line labeled "B101" and a section line labeled "P37". The drawing is oriented vertically, with the top of the facade at the top and the bottom at the bottom. The drawing is labeled "Corte A" in the top right corner.

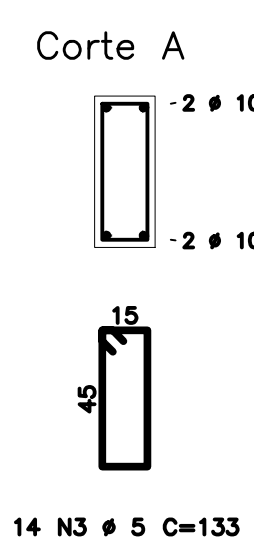


	AÇO	POS	BIT (mm)	QUANT	COMPROMETO UNIT (cm)	TOTAL (cm)
V80	50A	1	10	2	330	660
	50A	2	10	1	160	160
	50A	3	16	2	630	1260
	50A	4	16	3	1280	3840
	50A	5	10	2	495	990
	50A	6	10	2	525	1050
	50A	7	10	2	285	570
	50A	8	10	2	245	490
	50A	9	10	2	220	440
	50A	10	13	3	401	1203
V81	50A	11	6,3	12	134	1608
	50A	12	10	6	137	822
	60A	13	5	4	546	2184
	50A	1	12,5	3	640	1920
	50A	2	12,5	1	290	290
	50A	3	12,5	3	295	885
V82	50A	4	12,5	5	595	1785
	50A	6	12,5	3	530	1590
	50A	7	6,3	49	274	13426
	50A	8	6,3	16	858	8508
	50A	9	6,3	16	490	7840
	V83	50A	1	10	2	345
50A		2	10	2	285	570
60A		3	5	14	133	1862
V85	50A	1	6,3	2	280	560
	50A	2	10	2	230	460
	50A	3	10	2	160	320
	50A	4	10	2	565	1130
	50A	5	6,3	23	114	2822
V86	50A	1	10	2	490	980
	50A	2	10	2	465	930
	60A	3	5	26	133	3458
V87	50A	1	10	4	250	1000
	50A	2	10	2	360	720
	50A	3	10	195	390	1905
	50A	4	10	2	545	1090
	50A	5	10	2	350	700
	50A	6	6,3	84	234	4616
V88	50A	7	6,3	14	501	7014
	50A	1	6,3	2	425	850
	50A	2	10	2	285	570
	50A	3	10	2	200	400
	50A	4	6,3	2	300	600
	50A	5	10	5	1120	5600
	50A	6	10	2	305	610
	50A	7	10	2	380	760
	50A	8	10	2	195	390
	50A	9	10	2	920	1840
	50A	10	10	2	740	1480
	50A	11	10	2	810	1620
	50A	12	10	2	620	1240
	50A	13	6,3	83	234	19422
50A	14	6,3	14	909	12728	
50A	15	6,3	14	801	11214	
V89	50A	1	6,3	2	235	470
	50A	2	10	2	305	610
	50A	3	10	4	200	800
	50A	4	10	4	370	1480
	50A	5	10	2	825	1650
	50A	6	10	2	415	830
	50A	7	6,3	39	234	9128
	50A	8	6,3	14	799	11186
V90	50A	1	6,3	2	395	790
	50A	2	10	2	300	600
	50A	3	10	6	200	1200
	50A	4	10	8	160	1280
	50A	5	10	2	595	1190
	50A	6	6,3	38	234	8892
	50A	7	6,3	18	781	10834

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60A	5	124	19
50A	6,3	1338	328
50A	19	329	203
50A	12,5	68	66
50A	16	25	40
Peso Total	60A =	19	kq
Peso Total	50A =	637	kq

[illegible]

Technical drawing of a mechanical part with dimensions and section lines. The drawing includes a top view and a side view. The top view shows a rectangular part with a central slot. Dimensions include 273, 2 N° 10, 345, 20/50, 135/15, 2 Ø 10, 15, 270, 15, 14, 13, 5, 133, 14, 13, 5, 133, 14, 13, 5, 133. The side view shows a rectangular part with a central slot. Dimensions include 15, 45, 15, 14, 13, 5, 133. The drawing is labeled with 'Corte A' and 'B101'.



Technical drawing of a mechanical part, showing a side view and two section views (A-A and B-B).

Side View Dimensions:

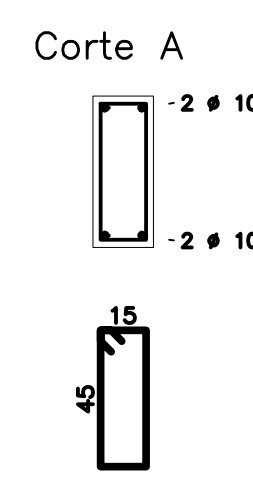
- Top flange: 468 (width), 38 (thickness), 2 N1 \varnothing 10 (holes), C=490 (center-to-center distance).
- Body: 26 N3 C/5 (feature), 26 \varnothing 5 (hole), 2 \varnothing 10 (holes).
- Bottom flange: 2 \varnothing 10 (holes), 42 (thickness), 2 N2 \varnothing 10 C=465 (holes).

Section Views:

- Section A-A:** Shows a cross-section with a 20°/50° angle and a 15 (width) dimension.
- Section B-B:** Shows a cross-section with a 45 (width) dimension.

Other Dimensions:

- 2 \varnothing 10 (holes) on the right side.
- 26 N3 \varnothing 5 C=133 (feature).



Technical drawing of a reinforced concrete slab (P38) showing dimensions, reinforcement details, and section views.

Plan View Dimensions and Reinforcement:

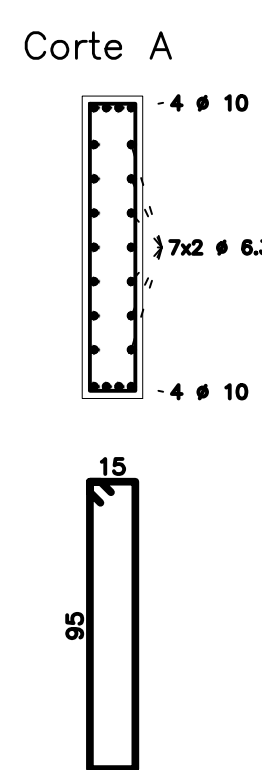
- Top edge: 275, 340, 170, 233, 795, 162
- Reinforcement: 2 N2 # 10 C=305, 2 N4 # 10 C=370, 2 N3 # 10 C=200, 2 N1 # 6.3 C=235, 39 # 6.3, 2x7 N8 # 6.3 C=799, 2 N6 # 10 C=415, 2 N5 # 10 C=825

Section Views:

- Section A-A: 15, 95, 7x2 # 6.3
- Section B-B: 15, 95, 7x2 # 6.3

Notes:

- Corte A
- P38
- P30
- 20/100
- (continua)



Technical drawing of a reinforced concrete slab (Corte A) showing reinforcement details, dimensions, and material specifications.

Reinforcement Details:

- Top reinforcement: 2 N2 # 10 C=255, 2 N3 # 10 C=200, 2 N1 # 6.3 C=425, 2 N5 # 10 C=560, 2 N6 # 10 C=305, 2 N4 # 6.3 C=300, 2 N7 # 10 C=305, 2 N8 # 10 C=195.
- Bottom reinforcement: 2 N3 C/20 44 # 6.3, 2 N3 C/20 38 # 6.3, 2x7 N14 # 6.3 C=909, 2 N10 # 10 C=740, 2 N9 # 10 C=920, 2x7 N15 # 6.3 C=801, 2 N12 # 10 C=620, 2 N11 # 10 C=810.

Dimensions:

- Overall width: 225, 170, 185, 257, 138, 232, 275, 165.
- Overall length: 905, 795.
- Clearance: 145, 161.

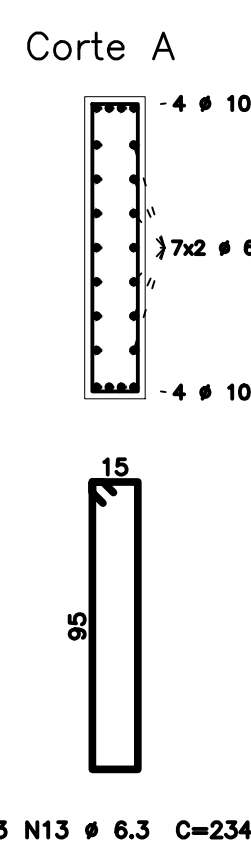
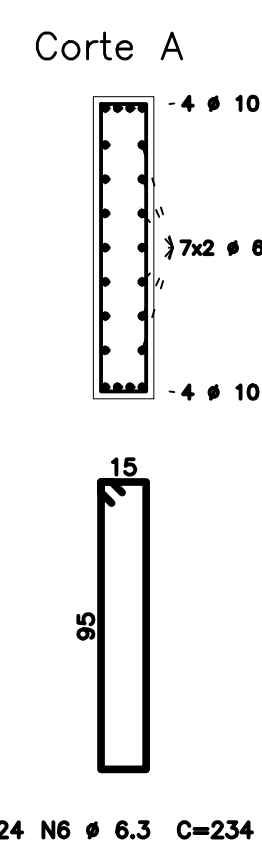
Material Specifications:

- Concrete: C25, C30, C40, C50.
- Reinforcement: N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15.

Notes:

- 20/100 (distribution bars)
- P63, P47, P38 (column locations)
- (costela) (rib)

Corte A

[illegible]

- # NOTAS
- 1. DIMENSÕES EM CENTÍMETROS, ELEVAÇÕES EM METROS
 - 2. CONCRETO ESTRUTURAL:
 - fck= 20 MPa (ESTACAS TIPO RAIZ) – ARGAMASSA;
 - CONSUMO DE CIMENTO = 600,0kg/m³; RELAÇÃO A/C ENTRE 0,5 E 0,6;
 - ARGAMASSA – AREIA – CIMENTO
 - fck= 30 MPa (DEMAIS ELEMENTOS ESTRUTURAIS); CONSUMO DE CIMENTO CONSUMO DE CIMENTO >=320,0kg/m³.
 - 3. FATOR ÁGUA/ CIMENTO MÁXIMO: 0,60
 - 4. CLASSE DE AGRESSIVIDADE II – URBANA
 - 5. MÓDULO DE ELASTICIDADE INICIAL A 28 DIAS IGUAL A 30670 MPa
 - 6. REALIZAR OS PROCEDIMENTOS DE CURA, RETIRADA DE FORMAS E DO ESCORAMENTO CONFORME NBR 14931-2004 E MEMORIAL DESCRITIVO, PROCEDIDA COM A CURA INICIAL POR NO MÁXIMO 07 (SETE) DIAS OU UTILIZAR A CURA QUÍMICA DOS ELEMENTOS DE CONCRETO.
 - 7. A EXECUÇÃO DA ESTRUTURA DEVERÁ CONTAR COM O ACOMPANHAMENTO DE TECNOLOGISTA DE CONCRETO
 - 8. O ENGENHEIRO RESPONSÁVEL PELA OBRA DEVERÁ OBEDECER AS RECOMENDAÇÕES DAS NORMAS TÉCNICAS APLICÁVEIS, DEDICANDO ESPECIAL ATENÇÃO ÀS SEGUINTE S:1.1. CONCRETO: PREPARO, CONTROLE, RECEBIMENTO, TRANSPORTE, LANÇAMENTO, ADENSAMENTO E CURA
 - 12.2. FORMA: CONFERÊNCIA DAS MEDIDAS E POSIÇÕES, LIMPEZA, ESTANDEARIDADE, SATURAÇÃO DAS FÓRMAS ABSORVENTES (RETIRAR EXCESSO DE ÁGUA), CUIDADO COM O USO DOS FÓRMAS DESMOLDANTES E RETIRADA DAS FÓRMAS
 - 13. ARMAÇÃO: LIMPEZA, MONTAGEM, COBRIMENTO (USO DE ESPAÇADORES PLÁSTICOS ADEQUADOS), E GARANTIA DA POSIÇÃO DAS ARMADURAS ANTES E DURANTE A CURA
 - 9. COBRIMENTO MÍNIMO DA ARMADURA:
 - RAIZ=2,0cm; VIAS E PILARES=2,5cm; BLOCOS=5,0cm; ESTACAS=4,0cm.
 - 10. OBRA COM RIGIDO COM QUALIDADE
 - 11. RECOMENDA-SE QUE OS MATERIAIS (ÁG) E CONCRETO UTILIZADOS NESTE PROJETO SEJAM SUBMETIDIZÀÇÃO À ENSAIOS TECNOLÓGICOS
 - 12. PREVER DRENAGEM OU IMPERMEABILIZAÇÃO PARA AS CORTINAS (CONTENÇÕES)
 - 13. CONFIRMAR MEDIDAS NO LOCAL.

EXE	01		AVALIAÇÃO DE CONFORMIDADE	EFICÁCIA	18/12/20
EXE	00		PROJETO EXECUTIVO – LICITAÇÃO OBRA	EFICÁCIA	31/07/20
REVCOMP	02		REVISÃO PROJETO EXECUTIVO – REF EXE 2	EFICÁCIA	24/07/20
REVCOMP	01		REVISÃO PROJETO EXECUTIVO – REF EXE	EFICÁCIA	03/07/20
REVCOMP	00		EMISSÃO INICIAL EXECUTIVO	EFICÁCIA	25/04/20
ANT	01		REVISÃO ANTEPROJETO	EFICÁCIA	20/02/20
ANT	00		EMISSÃO INICIAL ANTEPROJETO	EFICÁCIA	21/11/19
TIPO	REV		DESCRIÇÃO	DESENHO	DATA

REVISÕES		
MINISTÉRIO PÚBLICO DO ESTADO DE MINAS GERAIS SEDE DAS PROMOTORIAS DE JUSTIÇA DE JUIZ DE FORA		
ENDEREÇO: RUA JOSÉ CALIL AHOUAGI, LOTE F, BAIXADA DO PARAIBUNA	ÁREA TERRENO: 2.996,30m2	ÁREA CONSTRUÍDA: 7.266,36m2
PROPRIETÁRIO: PROCURADORIA GERAL DE JUSTIÇA DO ESTADO DE MINAS GERAIS	CNPJ: 20.971.057/0001-45	
PROJETO DE ESTRUTURA DE CONCRETO ARMADO		
EMPRESA: ENGENHEIRO: FABRÍCIO SILVA LIMA CREA: 80.082/D-MG EFICÁCIA PROJETOS E CONSULTORIA LTDA	CNPJ: 06.301.115/0001-00	
RESPONSÁVEL TÉCNICO: NELSON URIAS PINTO GARIGLIO DA SILVA	CREA: 82.624/D-MG	
CONTEÚDO: ARMAÇÃO DE VIGAS - FUNDAÇÃO E 1o PAVIMENTO 40/10 =	DATA: 18/12/20 ESCALA: INDICADA	FOLHA: 53/126