

Technical drawing of a building floor plan, showing structural elements, dimensions, and a table of dimensions.

The drawing includes a grid of dimensions (e.g., 31.0 6.3 C/20, 16.0 6.3 C/15, 14.0 6.3 C/15, 31.0 6.3 C/15, 26.0 6.3 C/20, 19.0 6.3 C/20, 21.0 6.3 C/15, 14.0 6.3 C/15, 26.0 6.3 C/12, 30.0 6.3 C/12, 20.0 6.3 C/20) and a table of dimensions (V521A) on the right side.

The table of dimensions (V521A) lists dimensions for various structural elements, categorized by SGA (Structural Grid Area) and dimensions (e.g., 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41).

SGA	Dimensions
SGA 2	2
SGA 3	3
SGA 4	4
SGA 5	5
SGA 6	6
SGA 7	7
SGA 8	8
SGA 9	9
SGA 10	10
SGA 11	11
SGA 12	12
SGA 13	13
SGA 14	14
SGA 15	15
SGA 16	16
SGA 17	17
SGA 18	18
SGA 19	19
SGA 20	20
SGA 21	21
SGA 22	22
SGA 23	23
SGA 24	24
SGA 25	25
SGA 26	26
SGA 27	27
SGA 28	28
SGA 29	29
SGA 30	30
SGA 31	31
SGA 32	32
SGA 33	33
SGA 34	34
SGA 35	35
SGA 36	36
SGA 37	37
SGA 38	38
SGA 39	39
SGA 40	40
SGA 41	41

60B	1	5	1215	23585
5A	2	16	1	390
5A	8	8	784	6372
5A	4	12.5	4	825
5A	5	16	2	1140
5A	10	16	3	300
5A	7	8	8	3440
5A	8	10	3	495
5A	9	8	2	295
5A	10	10	10	570
5A	11	10	3	525
5A	12	8	8	528
5A	13	12.5	2	545
5A	14	12.5	2	600
5A	15	8	8	603
5A	16	6.3	2	475
5A	17	10	8	345
5A	18	10	10	3030
5A	19	10	10	2
5A	20	10	10	2
5A	21	8	10	448
5A	22	16	10	1220
5A	23	16	2	289
5A	24	8	2	380
5A	25	20	2	425
5A	26	20	3	830
5A	27	10	8	78
5A	28	8	2	210
5A	30	16	4	855
5A	31	16	4	820
5A	32	16	2	225
5A	33	16	2	480
5A	34	6.3	2	395
5A	35	8	8	2562
5A	36	10	2	430
5A	37	10	2	245
5A	38	6.3	2	66
5A	39	6.3	2	182
5A	40	8	2	81

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Technical drawing of a bridge structure, showing multiple spans with various reinforcement details. The drawing includes reinforcement bars, dimensions, and material specifications.

**Reinforcement Details:**

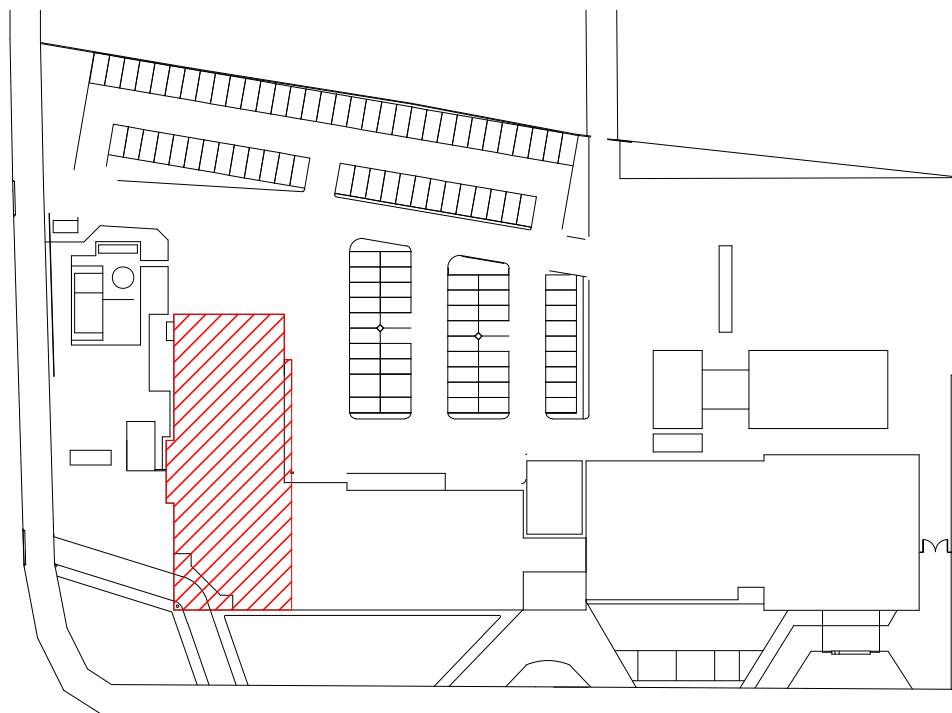
- Top Reinforcement:**
  - Span 1: 10 Ø 6.3 C15, 16 Ø 6.3 C15, 20 Ø 6.3 C15, 24 Ø 6.3 C15, 28 Ø 6.3 C15, 32 Ø 6.3 C15, 36 Ø 6.3 C15, 40 Ø 6.3 C15, 44 Ø 6.3 C15, 48 Ø 6.3 C15, 52 Ø 6.3 C15, 56 Ø 6.3 C15, 60 Ø 6.3 C15, 64 Ø 6.3 C15, 68 Ø 6.3 C15, 72 Ø 6.3 C15, 76 Ø 6.3 C15, 80 Ø 6.3 C15, 84 Ø 6.3 C15, 88 Ø 6.3 C15, 92 Ø 6.3 C15, 96 Ø 6.3 C15, 100 Ø 6.3 C15, 104 Ø 6.3 C15, 108 Ø 6.3 C15, 112 Ø 6.3 C15, 116 Ø 6.3 C15, 120 Ø 6.3 C15, 124 Ø 6.3 C15, 128 Ø 6.3 C15, 132 Ø 6.3 C15, 136 Ø 6.3 C15, 140 Ø 6.3 C15, 144 Ø 6.3 C15, 148 Ø 6.3 C15, 152 Ø 6.3 C15, 156 Ø 6.3 C15, 160 Ø 6.3 C15, 164 Ø 6.3 C15, 168 Ø 6.3 C15, 172 Ø 6.3 C15, 176 Ø 6.3 C15, 180 Ø 6.3 C15, 184 Ø 6.3 C15, 188 Ø 6.3 C15, 192 Ø 6.3 C15, 196 Ø 6.3 C15, 200 Ø 6.3 C15, 204 Ø 6.3 C15, 208 Ø 6.3 C15, 212 Ø 6.3 C15, 216 Ø 6.3 C15, 220 Ø 6.3 C15, 224 Ø 6.3 C15, 228 Ø 6.3 C15, 232 Ø 6.3 C15, 236 Ø 6.3 C15, 240 Ø 6.3 C15, 244 Ø 6.3 C15, 248 Ø 6.3 C15, 252 Ø 6.3 C15, 256 Ø 6.3 C15, 260 Ø 6.3 C15, 264 Ø 6.3 C15, 268 Ø 6.3 C15, 272 Ø 6.3 C15, 276 Ø 6.3 C15, 280 Ø 6.3 C15, 284 Ø 6.3 C15, 288 Ø 6.3 C15, 292 Ø 6.3 C15, 296 Ø 6.3 C15, 300 Ø 6.3 C15, 304 Ø 6.3 C15, 308 Ø 6.3 C15, 312 Ø 6.3 C15, 316 Ø 6.3 C15, 320 Ø 6.3 C15, 324 Ø 6.3 C15, 328 Ø 6.3 C15, 332 Ø 6.3 C15, 336 Ø 6.3 C15, 340 Ø 6.3 C15, 344 Ø 6.3 C15, 348 Ø 6.3 C15, 352 Ø 6.3 C15, 356 Ø 6.3 C15, 360 Ø 6.3 C15, 364 Ø 6.3 C15, 368 Ø 6.3 C15, 372 Ø 6.3 C15, 376 Ø 6.3 C15, 380 Ø 6.3 C15, 384 Ø 6.3 C15, 388 Ø 6.3 C15, 392 Ø 6.3 C15, 396 Ø 6.3 C15, 400 Ø 6.3 C15, 404 Ø 6.3 C15, 408 Ø 6.3 C15, 412 Ø 6.3 C15, 416 Ø 6.3 C15, 420 Ø 6.3 C15, 424 Ø 6.3 C15, 428 Ø 6.3 C15, 432 Ø 6.3 C15, 436 Ø 6.3 C15, 440 Ø 6.3 C15, 444 Ø 6.3 C15, 448 Ø 6.3 C15, 452 Ø 6.3 C15, 456 Ø 6.3 C15, 460 Ø 6.3 C15, 464 Ø 6.3 C15, 468 Ø 6.3 C15, 472 Ø 6.3 C15, 476 Ø 6.3 C15, 480 Ø 6.3 C15, 484 Ø 6.3 C15, 488 Ø 6.3 C15, 492 Ø 6.3 C15, 496 Ø 6.3 C15, 500 Ø 6.3 C15, 504 Ø 6.3 C15, 508 Ø 6.3 C15, 512 Ø 6.3 C15, 516 Ø 6.3 C15, 520 Ø 6.3 C15, 524 Ø 6.3 C15, 528 Ø 6.3 C15, 532 Ø 6.3 C15, 536 Ø 6.3 C15, 540 Ø 6.3 C15, 544 Ø 6.3 C15, 548 Ø 6.3 C15, 552 Ø 6.3 C15, 556 Ø 6.3 C15, 560 Ø 6.3 C15, 564 Ø 6.3 C15, 568 Ø 6.3 C15, 572 Ø 6.3 C15, 576 Ø 6.3 C15, 580 Ø 6.3 C15, 584 Ø 6.3 C15, 588 Ø 6.3 C15, 592 Ø 6.3 C15, 596 Ø 6.3 C15, 600 Ø 6.3 C15, 604 Ø 6.3 C15, 608 Ø 6.3 C15, 612 Ø 6.3 C15, 616 Ø 6.3 C15, 620 Ø 6.3 C15, 624 Ø 6.3 C15, 628 Ø 6.3 C15, 632 Ø 6.3 C15, 636 Ø 6.3 C15, 640 Ø 6.3 C15, 644 Ø 6.3 C15, 648 Ø 6.3 C15, 652 Ø 6.3 C15, 656 Ø 6.3 C15, 660 Ø 6.3 C15, 664 Ø 6.3 C15, 668 Ø 6.3 C15, 672 Ø 6.3 C15, 676 Ø 6.3 C15, 680 Ø 6.3 C15, 684 Ø 6.3 C15, 688 Ø 6.3 C15, 692 Ø 6.3 C15, 696 Ø 6.3 C15, 700 Ø 6.3 C15, 704 Ø 6.3 C15, 708 Ø 6.3 C15, 712 Ø 6.3 C15, 716 Ø 6.3 C15, 720 Ø 6.3 C15, 724 Ø 6.3 C15, 728 Ø 6.3 C15, 732 Ø 6.3 C15, 736 Ø 6.3 C15, 740 Ø 6.3 C15, 744 Ø 6.3 C15, 748 Ø 6.3 C15, 752 Ø 6.3 C15, 756 Ø 6.3 C15, 760 Ø 6.3 C15, 764 Ø 6.3 C15, 768 Ø 6.3 C15, 772 Ø 6.3 C15, 776 Ø 6.3 C15, 780 Ø 6.3 C15, 784 Ø 6.3 C15, 788 Ø 6.3 C15, 792 Ø 6.3 C15, 796 Ø 6.3 C15, 800 Ø 6.3 C15, 804 Ø 6.3 C15, 808 Ø 6.3 C15, 812 Ø 6.3 C15, 816 Ø 6.3 C15, 820 Ø 6.3 C15, 824 Ø 6.3 C15, 828 Ø 6.3 C15, 832 Ø 6.3 C15, 836 Ø 6.3 C15, 840 Ø 6.3 C15, 844 Ø 6.3 C15, 848 Ø 6.3 C15, 852 Ø 6.3 C15, 856 Ø 6.3 C15, 860 Ø 6.3 C15, 864 Ø 6.3 C15, 868 Ø 6.3 C15, 872 Ø 6.3 C15, 876 Ø 6.3 C15, 880 Ø 6.3 C15, 884 Ø 6.3 C15, 888 Ø 6.3 C15, 892 Ø 6.3 C15, 896 Ø 6.3 C15, 900 Ø 6.3 C15, 904 Ø 6.3 C15, 908 Ø 6.3 C15, 912 Ø 6.3 C15, 916 Ø 6.3 C15, 920 Ø 6.3 C15, 924 Ø 6.3 C15, 928 Ø 6.3 C15, 932 Ø 6.3 C15, 936 Ø 6.3 C15, 940 Ø 6.3 C15, 944 Ø 6.3 C15, 948 Ø 6.3 C15, 952 Ø 6.3 C15, 956 Ø 6.3 C15, 960 Ø 6.3 C15, 964 Ø 6.3 C15, 968 Ø 6.3 C15, 972 Ø 6.3 C15, 976 Ø 6.3 C15, 980 Ø 6.3 C15, 984 Ø 6.3 C15, 988 Ø 6.3 C15, 992 Ø 6.3 C15, 996 Ø 6.3 C15, 1000 Ø 6.3 C15, 1004 Ø 6.3 C15, 1008 Ø 6.3 C15, 1012 Ø 6.3 C15, 1016 Ø 6.3 C15, 1020 Ø 6.3 C15, 1024 Ø 6.3 C15, 1028 Ø 6.3 C15, 1032 Ø 6.3 C15, 1036 Ø 6.3 C15, 1040 Ø 6.3 C15, 1044 Ø 6.3 C15, 1048 Ø 6.3 C15, 1052 Ø 6.3 C15, 1056 Ø 6.3 C15, 1060 Ø 6.3 C15, 1064 Ø 6.3 C15, 1068 Ø 6.3 C15, 1072 Ø 6.3 C15, 1076 Ø 6.3 C15, 1080 Ø 6.3 C15, 1084 Ø 6.3 C15, 1088 Ø 6.3 C15, 1092 Ø 6.3 C15, 1096 Ø 6.3 C15, 1100 Ø 6.3 C15, 1104 Ø 6.3 C15, 1108 Ø 6.3 C15, 1112 Ø 6.3 C15, 1116 Ø 6.3 C15, 1120 Ø 6.3 C15, 1124 Ø 6.3 C15, 1128 Ø 6.3 C15, 1132 Ø 6.3 C15, 1136 Ø 6.3 C15, 1140 Ø 6.3 C15, 1144 Ø 6.3 C15, 1148 Ø 6.3 C15, 1152 Ø 6.3 C15, 1156 Ø 6.3 C15, 1160 Ø 6.3 C15, 1164 Ø 6.3 C15, 1168 Ø 6.3 C15, 1172 Ø 6.3 C15, 1176 Ø 6.3 C15, 1180 Ø 6.3 C15, 1184 Ø 6.3 C15, 1188 Ø 6.3 C15, 1192 Ø 6.3 C15, 1196 Ø 6.3 C15, 1200 Ø 6.3 C15, 1204 Ø 6.3 C15, 1208 Ø 6.3 C15, 1212 Ø 6.3 C15, 1216 Ø 6.3 C15, 1220 Ø 6.3 C15, 1224 Ø 6.3 C15, 1228 Ø 6.3 C

Technical drawings of four types of reinforcement bars (N36, N38, N39, N40) showing cross-sections and dimensions. Each drawing includes a top view and a side view. Dimensions are given in millimeters (mm) and inches (in).

- N36  $\phi 6.3$  C=206**: Top view shows a rectangular cross-section with dimensions 4  $\phi 10$ , 4x2  $\phi 8$ , and 5  $\phi 20$ . Side view shows a height of 20 mm.
- N38  $\phi 8$  C=208**: Top view shows a rectangular cross-section with dimensions 2  $\phi 10$ , 2  $\phi 12.5$ , 4x2  $\phi 8$ , and 4  $\phi 25$ . Side view shows a height of 20 mm.
- N39  $\phi 8$  C=194**: Top view shows a rectangular cross-section with dimensions 2  $\phi 10$ , 2  $\phi 20$ , 4x2  $\phi 8$ , and 2  $\phi 25$ . Side view shows a height of 20 mm.
- N40  $\phi 6.3$  C=192**: Top view shows a rectangular cross-section with dimensions 4  $\phi 16$ , 4x2  $\phi 8$ , and 1  $\phi 16$ , 1  $\phi 10$ , 1  $\phi 16$ . Side view shows a height of 20 mm.

1. UNIDADES EM CENTÍMETROS, NÍVEIS EM METROS, EXCETO ONDE INDICADO O CONTRÁRIO;
2. ESTE PROJETO ATENDE ÀS ESPECIFICAÇÕES DA NORMA NBR-6118:2014;
3. AS ADOTAÇÕES DEVEM ESTAR EM CONFORMIDADE COM A TABELA NAS NORMAS DE EXECUÇÃO COM AS FERRAGENS DEVIDAMENTE POSICIONADAS CONFORME INDICA O PROJETO, UTILIZANDO-SE DE POSICIONADORES E ESPAÇADORES ADEQUADOS, GARANTINDO OS COBRIMENTOS;
4. ACOS: CA50 (fy ≥ 500MPa) / CA60 (fy ≥ 600MPa);
5. PREVER INSERTE METÁLICAS PARA FIXAÇÃO DA ESTRUTURA METÁLICA, NOS ELEMENTOS PERTINENTES (VER PROJETO DE ESTRUTURA METÁLICA);
6. DEMAIS CONSIDERAÇÕES VIDE PRANCHAS DE FORMAS;
7. TODAS AS MEDIDAS E DIMENSÕES DEVEM SER CONFERIDAS NA OBRA.

## PLANTA CHAVE

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