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Technical drawing of a rectangular plate. The main drawing shows a plate with overall dimensions 235 (width) x 118 (height). The width is divided into three sections: 2 N1, N1 12.5, and C=305. The height is divided into two sections: 11 N3 6.3 C=118 and N3 (203). The plate is labeled with 'VA1022' and 'P116'. A detail view 'Corte A' shows a cross-section of the plate with a width of 7 and a height of 10. The detail view also shows the material 'N3 6.3' and the thickness 'C=118'. The plate is shown with a top view and a side view.

Technical drawing of a building facade section, showing structural details, dimensions, and material specifications.

Top Section:

- Left side: 2 N1 R 10 C=838
- Right side: 2 N2 R 10 C=851

Structural Details:

- Left detail: Var Det F1 + F2, showing reinforcement F1 and F2.
- Right detail: Var Det F3, showing reinforcement F3.

Bottom Section:

- Left side: 25 R 6.3 C20 N7 (448)
- Middle: 25 R 6.3 C20 N7 (340)
- Right side: 25 R 6.3 C20 N7 (499)

Dimensions and Material Specifications:

- Horizontal dimensions: 1258, 472, 495, 521, 1175, 1200, 490.
- Material specifications: 2x4 N10 R 6.3 C=1152, 2x1 N9 R 6.3 C=495, 2x1 N11 R 6.3 C=541, 1 N3 R 10 C=490, 1 N4 R 10 C=1200, 1 N5 R 10 C=1200, 1 N6 R 10 C=490.

Corte A

Det. F1

Det. F2

Det. F5

Corte F1

Corte F2

Corte F6

74 N7 R 6,3 C=162

75 N29 R 6,3 C=162

*Det.apoio vista em planta:

VA1005

N29 R 6,3 C=162

N28 R 6,3 C=162

N30 R 6,3 C=162

N31 R 6,3 C=162

N32 R 6,3 C=162

N33 R 6,3 C=162

N34 R 6,3 C=162

N40 R 6,3 C=162

N41 R 6,3 C=162

N42 R 6,3 C=162

N43 R 6,3 C=162

N44 R 6,3 C=162

N45 R 6,3 C=162

N46 R 6,3 C=162

N47 R 6,3 C=162

N48 R 6,3 C=162

N49 R 6,3 C=162

N50 R 6,3 C=162

N51 R 6,3 C=162

N52 R 6,3 C=162

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N66 R 6,3 C=162

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N69 R 6,3 C=162

N70 R 6,3 C=162

N71 R 6,3 C=162

N72 R 6,3 C=162

N73 R 6,3 C=162

N74 R 6,3 C=162

N75 R 6,3 C=162

N76 R 6,3 C=162

N77 R 6,3 C=162

N78 R 6,3 C=162

N79 R 6,3 C=162

N80 R 6,3 C=162

N81 R 6,3 C=162

N82 R 6,3 C=162

N83 R 6,3 C=162

N84 R 6,3 C=162

N85 R 6,3 C=162

N86 R 6,3 C=162

N87 R 6,3 C=162

N88 R 6,3 C=162

N89 R 6,3 C=162

N90 R 6,3 C=162

N91 R 6,3 C=162

N92 R 6,3 C=162

N93 R 6,3 C=162

N94 R 6,3 C=162

N95 R 6,3 C=162

N96 R 6,3 C=162

N97 R 6,3 C=162

N98 R 6,3 C=162

N99 R 6,3 C=162

N100 R 6,3 C=162

Technical drawing of a rectangular plate. The main view shows a plate with overall dimensions 267 (width) x 12.5 (height). It has four corner radii of R1. The material is specified as 2 N3 R 12.5 C=323. A detail view 'Corte A' shows a cross-section of the plate with a thickness of 2 N12 and a width of 2 N2 R. The plate is labeled with 'VA1008' and 'VA1006' on the left and right sides respectively. The bottom view shows the plate with dimensions 267 (width) x 14 (height). It has four corner radii of R1. The material is specified as 13 N3 R 6.3 C=122. The plate is labeled with 'VA1008' and 'VA1006' on the left and right sides respectively. The bottom view also shows a detail view 'Corte A' with a thickness of 2 N12 and a width of 2 N2 R.

This technical drawing illustrates the layout of a railway track, specifically the 'Ligne de la Vallée de la Maye'. The drawing is divided into several sections, each showing a different part of the track and its associated infrastructure.

Top Section: This section shows the main track layout with various track numbers and distances. Key features include:

- Track 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 92

Technical drawing of a railway track layout, showing various track segments, signals, and infrastructure. The drawing includes track numbers (e.g., 130, 124, 14/70, 14/50), signal codes (e.g., R, N2, R 10, C=135), and infrastructure codes (e.g., P113, VA1004, VA1003, VA1002). It also shows track lengths (e.g., 18 R 6.3 C=20, 20 R 6.3 C=20) and track types (e.g., 2 N1 R 6.3 C=26, 2 N3 R 6.3 C=182). The drawing is divided into sections by vertical dashed lines.

Corte A

Top View Dimensions:
 Overall Width: 405
 Overall Height: 296
 Central Slot Width: 18.6
 Central Slot Depth: 15.0
 Hole Positions (from center):
 - Top Center: Ø10
 - Bottom Center: Ø12.5
 - Left Side: Ø12.5
 - Right Side: Ø12.5

Side View (Corte A) Dimensions:
 Plate Thickness: 16
 Total Height: 76
 Distance from Top Edge to Bottom Hole Center: 116

	AEO	POS	BIT	QUANT	COMPLEMENTO
				(INT)	(INT)
VASSIO20120211 (C2)	SEA	1	24	4	536
	SEA	2	24	4	536
	SEA	3	24	4	536
	SEA	4	24	4	536
	SEA	5	24	4	536
	SEA	6	24	4	536
	SEA	7	24	4	536
	SEA	8	24	4	536
	SEA	9	24	4	536
	SEA	10	24	4	536
VASSIO20120211 (C2)	SEA	1	8.5	4	182
	SEA	2	8.5	4	182
	SEA	3	20	4	536
	SEA	4	20	4	536
	SEA	5	20	4	536
	SEA	6	20	4	536
	SEA	7	20	4	536
	SEA	8	20	4	536
	SEA	9	20	4	536
	SEA	10	20	4	536
VASSIO20120211 (C2)	SEA	1	11.5	4	252
	SEA	2	11.5	4	252
	SEA	3	11.5	4	252
	SEA	4	11.5	4	252
	SEA	5	11.5	4	252
	SEA	6	11.5	4	252
	SEA	7	11.5	4	252
	SEA	8	11.5	4	252
	SEA	9	11.5	4	252
	SEA	10	11.5	4	252
VASSIO20120211 (C2)	SEA	1	5.5	2	124
	SEA	2	5.5	2	124
	SEA	3	5.5	2	124
	SEA	4	5.5	2	124
	SEA	5	5.5	2	124
	SEA	6	5.5	2	124
	SEA	7	5.5	2	124
	SEA	8	5.5	2	124
	SEA	9	5.5	2	124
	SEA	10	5.5	2	124
VASSIO20120211 (C2)	SEA	1	8	4	182
	SEA	2	8	4	182
	SEA	3	8	4	182
	SEA	4	8	4	182
	SEA	5	8	4	182
	SEA	6	8	4	182
	SEA	7	8	4	182
	SEA	8	8	4	182
	SEA	9	8	4	182
	SEA	10	8	4	182
VASSIO20120211 (C2)	SEA	1	5.5	2	124
	SEA	2	5.5	2	124
	SEA	3	5.5	2	124
	SEA	4	5.5	2	124
	SEA	5	5.5	2	124
	SEA	6	5.5	2	124
	SEA	7	5.5	2	124
	SEA	8	5.5	2	124
	SEA	9	5.5	2	124
	SEA	10	5.5	2	124
VASSIO20120211 (C2)	SEA	1	8.5	4	182
	SEA	2	8.5	4	182
	SEA	3	8.5	4	182
	SEA	4	8.5	4	182
	SEA	5	8.5	4	182
	SEA	6	8.5	4	182
	SEA	7	8.5	4	182
	SEA	8	8.5	4	182
	SEA	9	8.5	4	182
	SEA	10	8.5	4	182
VASSIO20120211 (C2)	SEA	1	11.5	4	252
	SEA	2	11.5	4	252
	SEA	3	11.5	4	252
	SEA	4	11.5	4	252
	SEA	5	11.5	4	252
	SEA	6	11.5	4	252
	SEA	7	11.5	4	252
	SEA	8	11.5	4	252
	SEA	9	11.5	4	252
	SEA	10	11.5	4	252
VASSIO20120211 (C2)	SEA	1	5.5	2	124

RESUMO AE O CA 50-60			
AE O	BIT (mm)	COMPR (m)	PESO (kg)
50A	6,3	1348	337
50A	9	968	227
50A	33	1294	809
50A	12,5	368	368
50A	18	596	293
50A	22	541	263
Peso Total	50A =	2344 kg	

COBRIMENTO DA ARMADURA:

LAJES = 2,0 cm
- VIGAS E PILARES = 2,5 cm
- BLOCOS, BALDRAMES E CONTENCOES (FACE EM CONTATO COM A TERRA) = 3,0 cm
1. ESSES COBRIMENTOS DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.
COBRIMENTOS ESPECIFICOS EM CONTRARIO AOS VALORES INDICADOS ACIMA, ESTAO INDICADOS NOS DESENHOS DE DETALHE.

NORMAS UTILIZADAS:
 NBR-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
 NBR-6120/1990 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

INDICE:
VA1001 A VA1019, VA1025 A VA1027

FCK= 35 MPa

FCK= 35 MPa
EC = 28 GPa
A/C = 0,65

(MÓDULO DE ELASTICIDADE SECANTE AOS 28 DIAS);
(FATOR ÁGUA CIMENTO)

1	20/08/2014	NUMERACAO FINAL		
0	01/11/2012	EMISSAO FINAL		
REV	DATA			DESCRICAO
 Simetria Engenharia Rua Garibaldi, 42 - Sala 101 - Prédio 1 BRAGANÇA DE - CEP 13.200-140 Fone: (11) 3301-1001 simetria@simetria.eng.br				
PROJETO ESTRUTURAL				
CLIENTE: GENT INCORPORACAO LTDA				
OBJ: ED. RESIDENCIAL/COMERCIAL, PANAMERAS				Nº ORCA:
INVENTARIO OBJ: RUA 30 NORTE LOTES 03 - RUAS DAS PANAMERAS - AGUAS CLARAS DE				
DESCRICAO:				DESENHO Nº:
ARMACAO DAS VIGAS - TORRE 1 - JUNTA A				BL1
PISO 70 PAYMENTO (01/02)				075-090
DESENHISTA	DATA	ESCALA	UNIDADE	Nº PROJ. SIMETRIA
TOP PRICELLA	01/11/2012	1:50	CM	478
INFORMAÇÃO:		075-090 - 401 - VIG. PLT		
PROPOSTA(S):		RESPONSÁVEL TÉCNICO		
RESPONSÁVEL TÉCNICO PELO PROJETO ESTRUTURAL:				
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA CREA-127059				