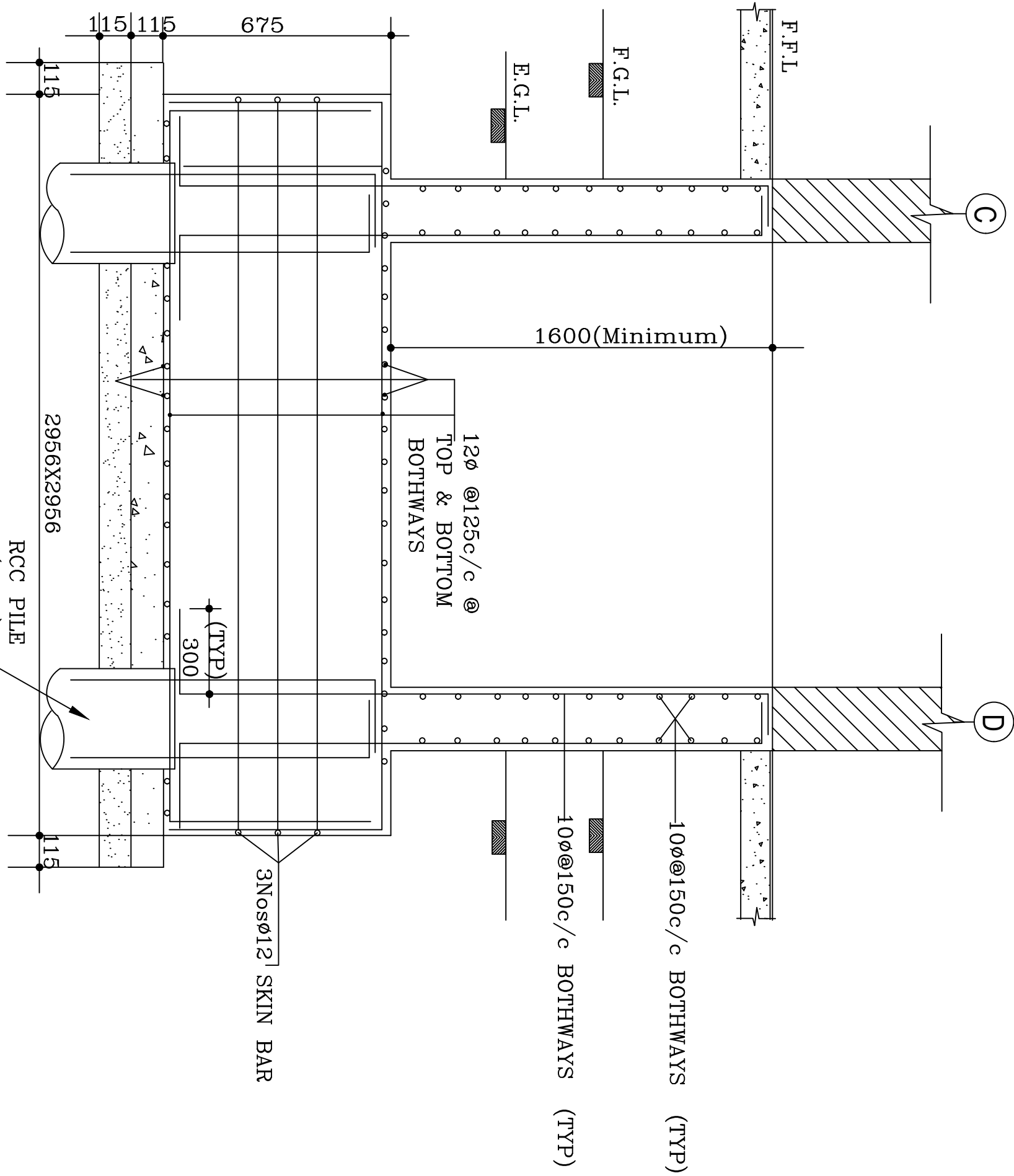
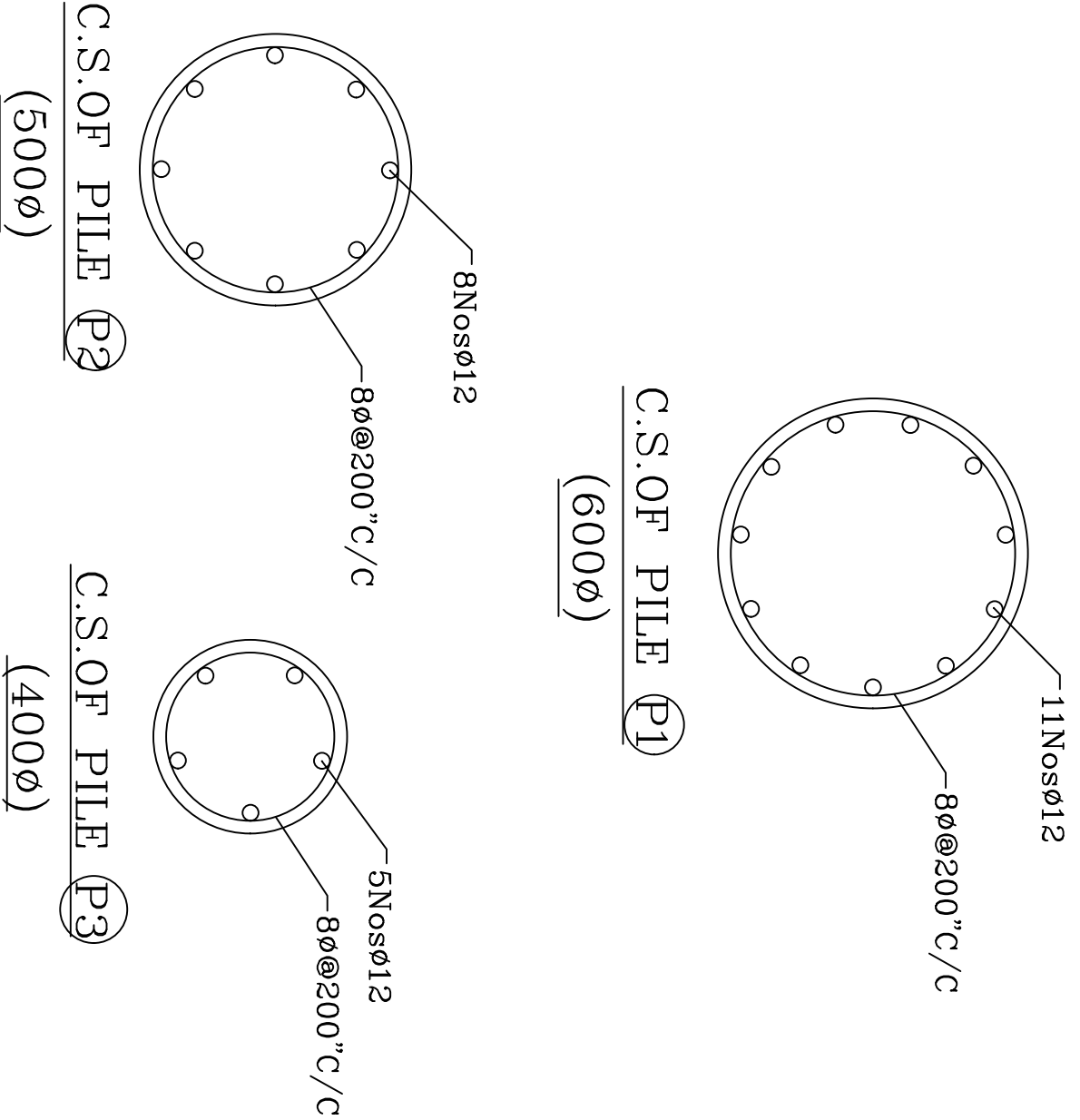
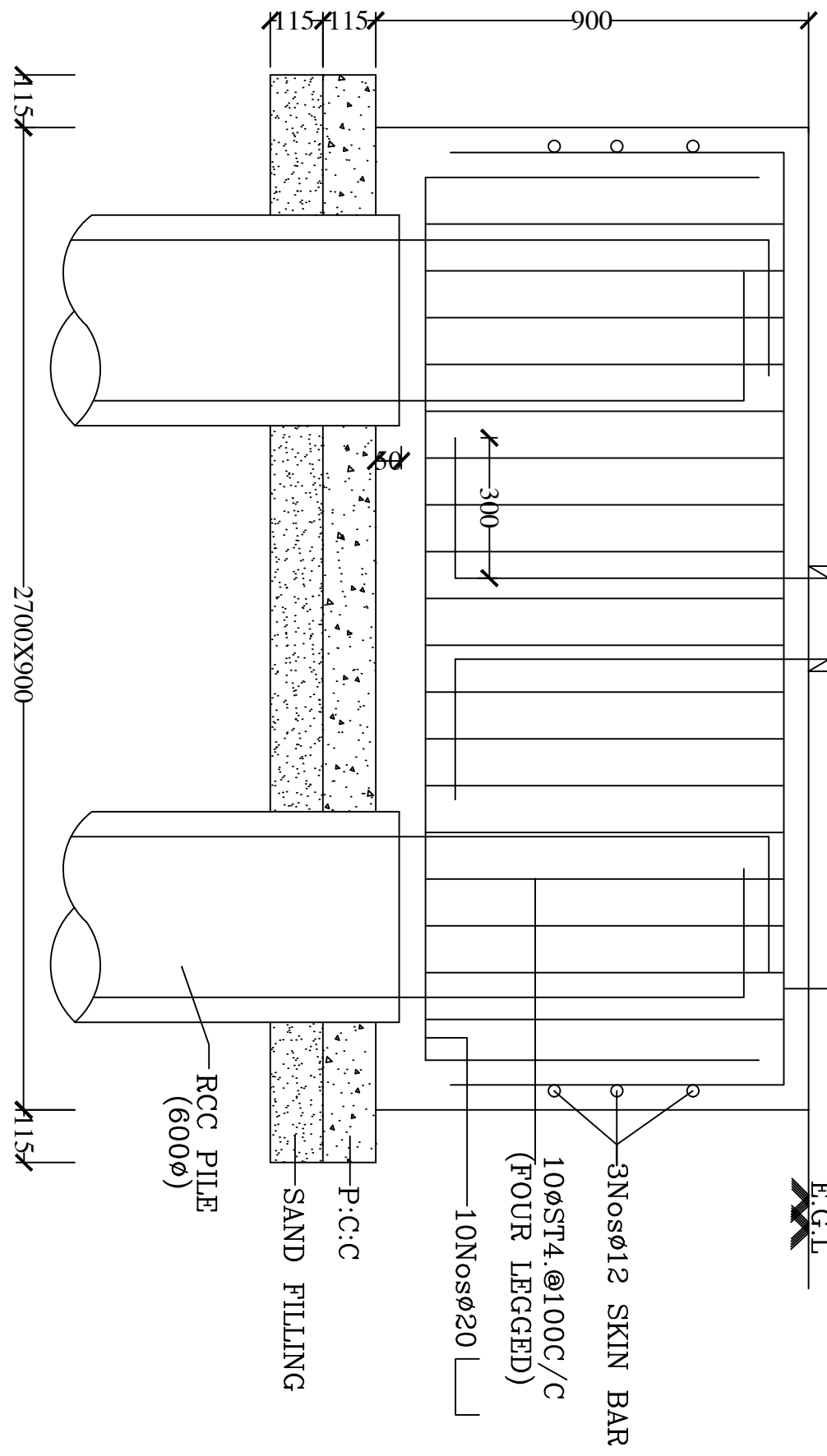
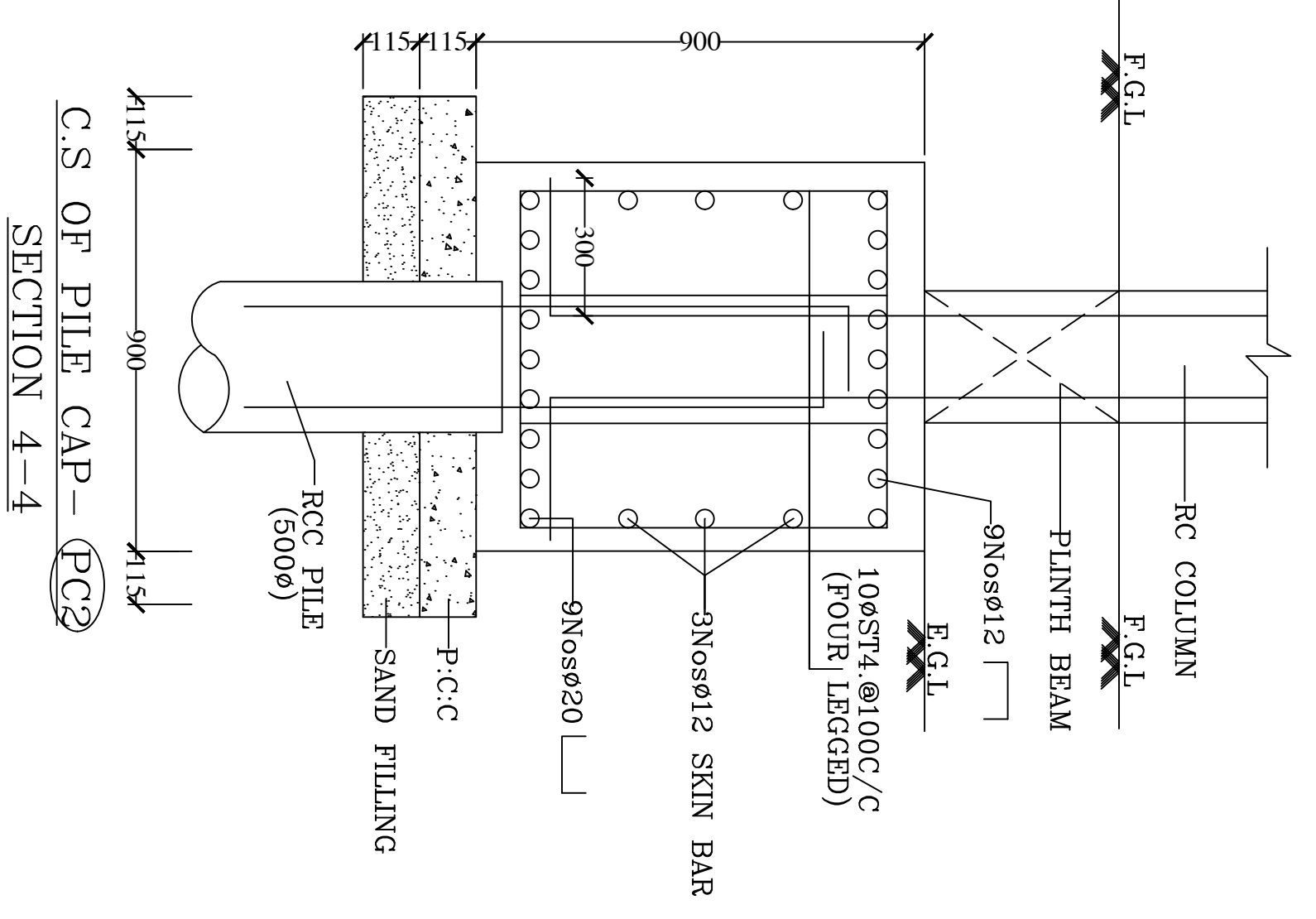
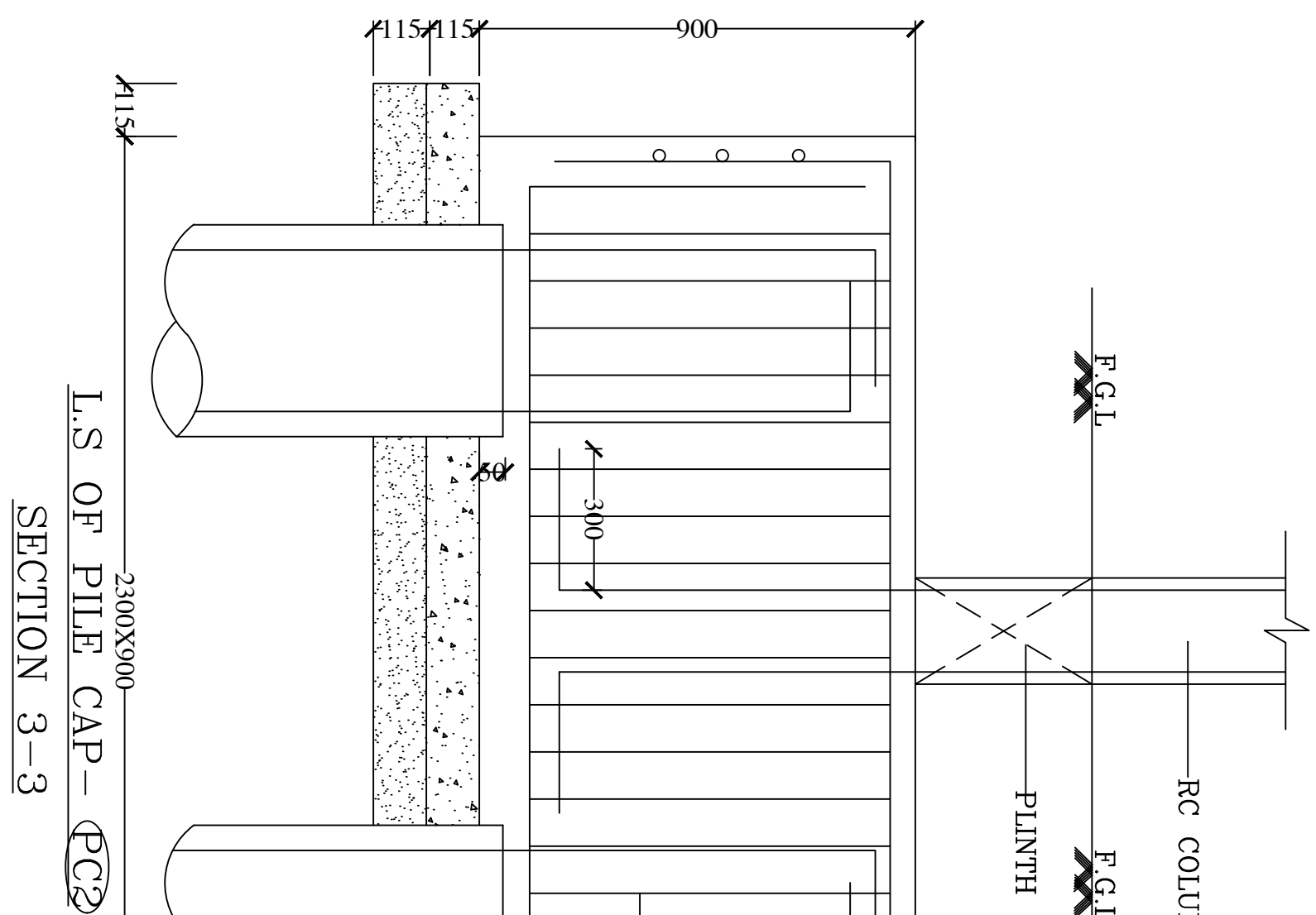
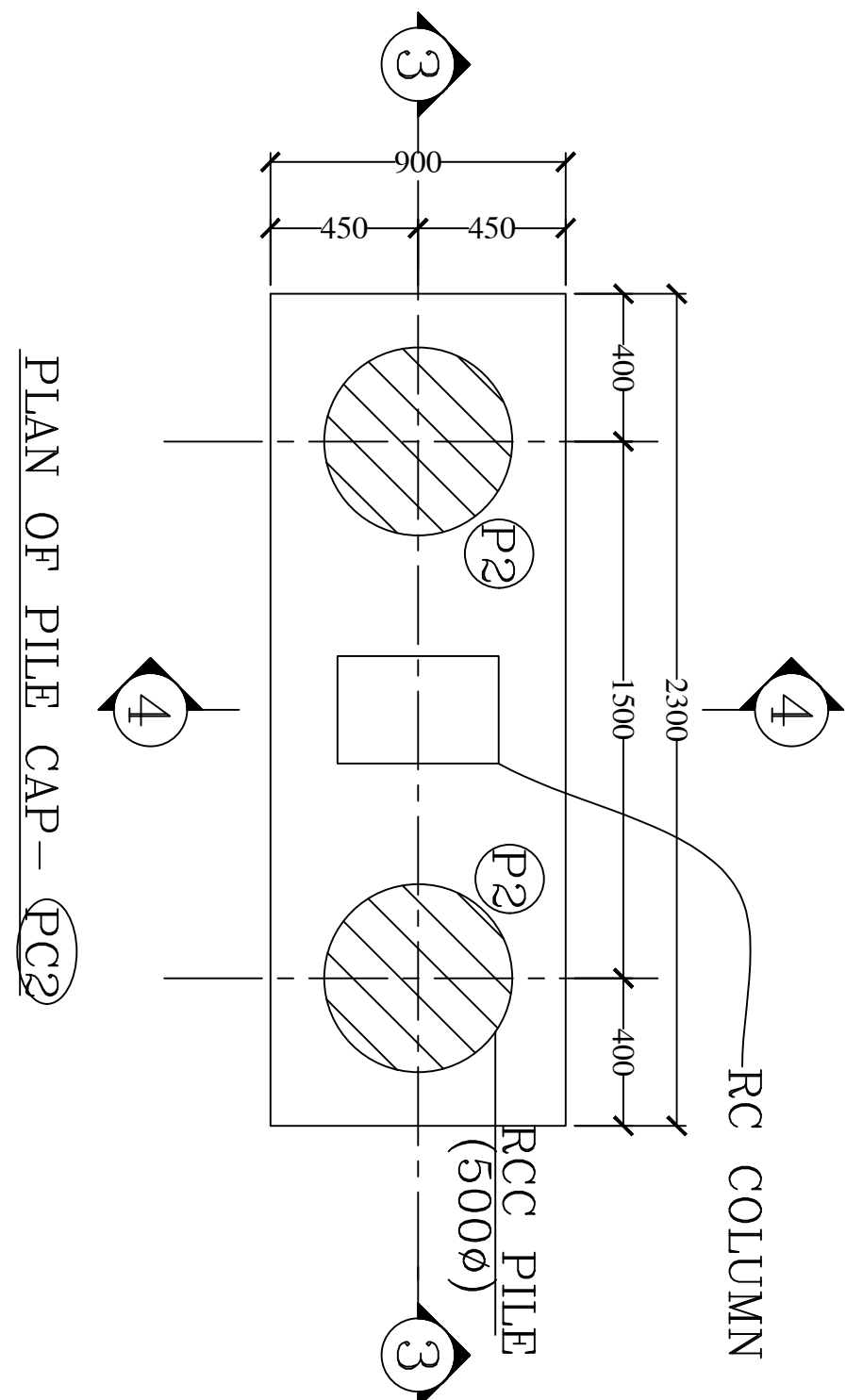
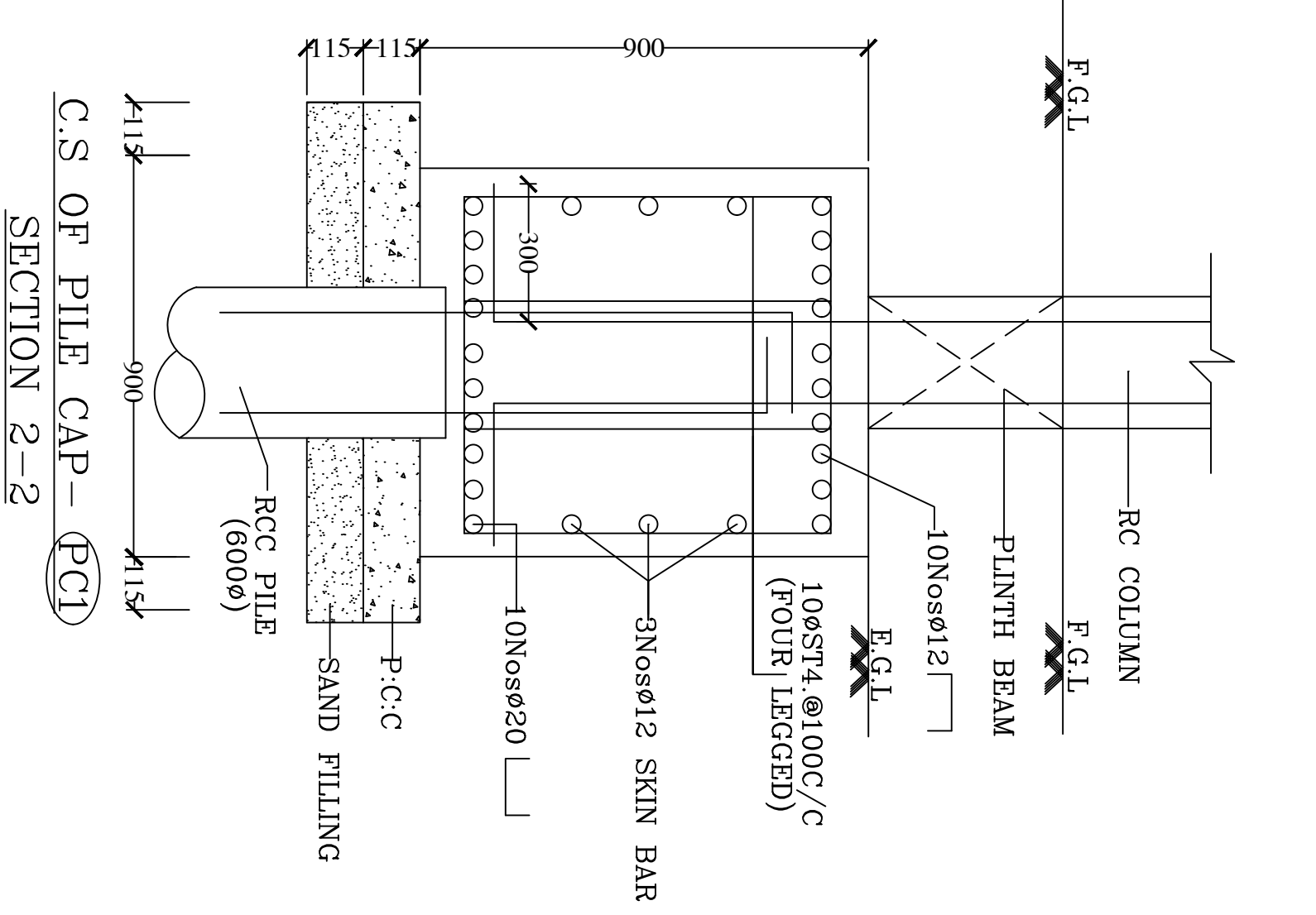
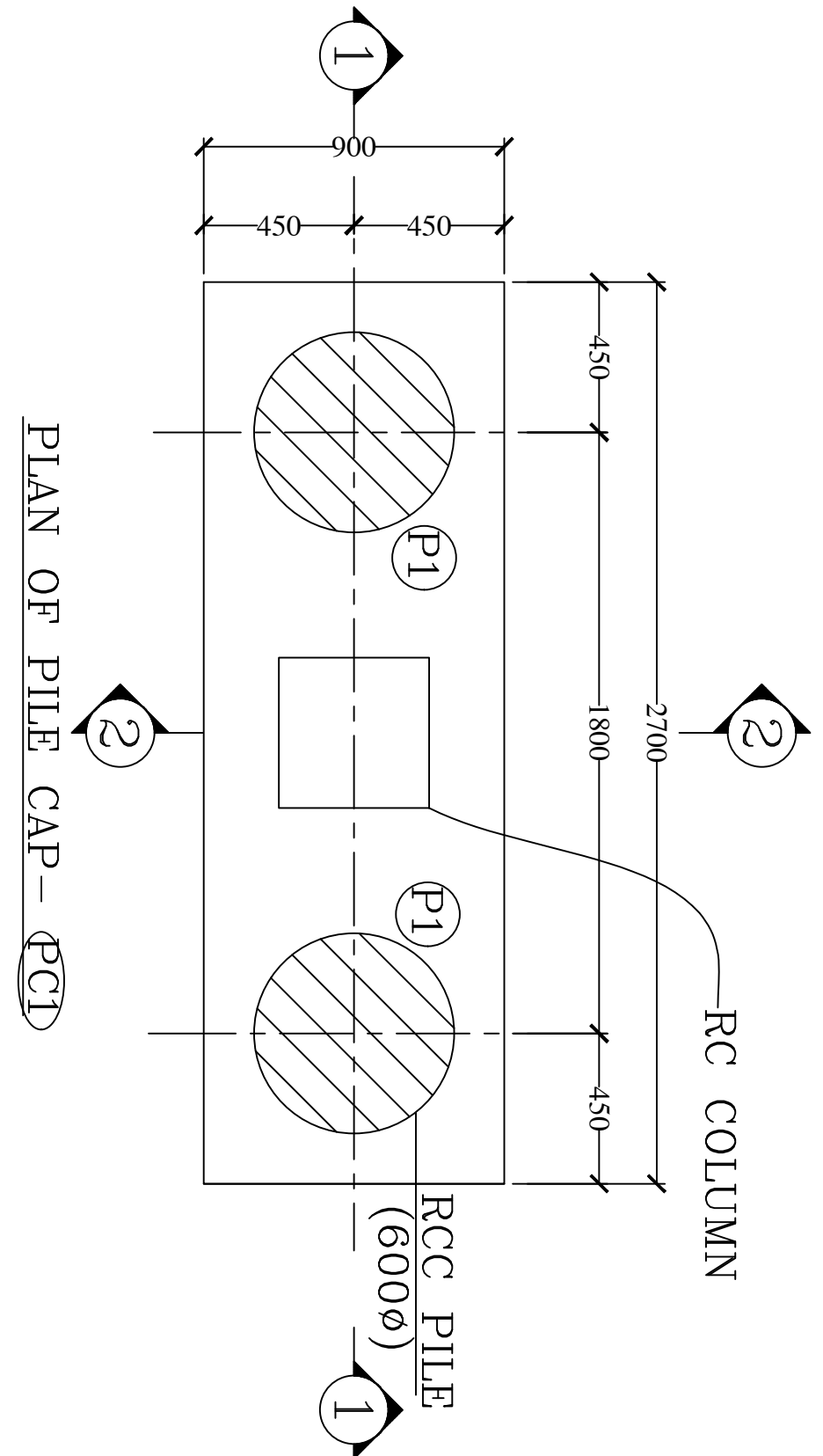




PILE NOTES :-

BORED CAST IN SITU END BEARING DRIVEN PILE BY DIRECT METHOD CIRCULATION METHOD (DMC). BORING TERMINATED AT A DEPTH WHERE 'N' VALUE IN SPT TEST IS MORE THAN 100 FOR MULTI STOREY BUILDING (HEIGHT EXCEEDING 15.0 METER) AND 50 FOR OTHER BUILDING (HEIGHT LESS THAN 15.0 METER) AND AN EXTRA PENETRATION FOR MINIMUM OF 600mm (PILE SOCKETING) BEYOND ABOVE LEVEL. IN THE HARD STRATA, APPROXIMATELY LENGTH OF PILE SHALL BE 25.00M. CONCRETING FOR THE PILE SHALL BE DONE USING THE TRAMME PIPE IN THE SHAFT FOR PROPER PLACING AND COMPACTION OF CONCRETE. THE DESIGN SAFE LOADS FOR THE PILES ARE AS FOLLOWS: 6000.115 TONNES, 5000.73 TONNES, 4800.63 TONNES, 4000.50 TONNES. INITIAL LOAD TEST ON PILES SHALL BE DONE FOR 1.5 TIMES THE DESIGN SAFE LOAD AND ROUTINE LOAD TEST ON WORKING PILES SHALL BE DONE FOR 1.5 TIMES THE DESIGN SAFE LOAD FOR 12mm DIA. PILES. AFTER COMPLETION OF PILE BORING (1.5 TIMES THE DESIGN SAFE LOAD) AND THEN IN AGE THE PILE REINFORCEMENT CAGE INSIDE THE PILE BORE. PLACE THE TRAMME PIPE INSIDE THE REINFORCEMENT CAGE UP TO THE BOTTOM LEVEL. FOR A LENGTH OF 0.5 METER INSIDE THE CONCRETE BEHIND THE TIME OF CONCRETING. THEORETICAL, ACTUAL, VOLUME OF CONCRETE TO BE CHECKED AT THE TIME OF CONCRETING. READY MIX CONCRETE SHOULD NOT BE USED FOR PILE CONCRETING.

IMPORTANT NOTE :-

1. CONCRETING AT SITE SHALL BE STARTED ONLY AFTER VERIFYING ALL FABRICATION OF REINFORCEMENT BAR DONE FOR VARIOUS MEMBERS, (V) BEAMS, SLABS, COLUMNS, FOOTINGS, ETC., AND SHOULD BE CHECKED AS PER THE STRUCTURAL LATEST REVISION DRAWINGS FOR FABRICATION OF REINFORCEMENT BAR.

2. CONCRETE SHOULD BE DONE MONOLITHICALLY FOR CANTILEVER SLABS AND BEAMS. CONSTRUCTION JOINT IN CONCRETE SHOULD BE FOLLOWED AS PER DIRECTIONS GIVEN BY QUALIFIED CIVIL ENGINEER, SITE IN-CHARGE ENGINEER.

IMPORTANT NOTE FOR LAYING METHOD FOR READY MIX CONCRETE (RMC) :-

1. FOR LAYING READY MIX CONCRETE PROVIDE 50KG CEMENTER, CHIEF MEASURER OF READY MIX CONCRETE.

2. THE TIME OF LAYING READY MIX CONCRETE SHALL BE AT THE MAXIMUM OF 90 MINUTES TO 100 MINUTES FOR THE BEST STRENGTH RESULT OF CONCRETE.

3. TIME ELAPSED INCLUDES FROM THE TIME OF WATER ADDING IN THE MIXING PLANT (60) TIME OF LOBBY DEPARTURE FROM PLANT TRAVEL, TIME PUMP CONNECTING TIME, PUMPING AND LAYING OF CONCRETE ON FORM WORK.

4. TO 20 MINUTES LAYING OF CONCRETE SHOULD BE DONE IN 10 MINUTES. LAYING OF CONCRETE SHALL BE DONE ON THE TOP SURFACE OF THE CONCRETE TO RECTIFY THE PORE THE EXCESSIVE SLACKS, FILL IT AND PACK IT WITH BROOM.

5. THE CONCRETE TOP SURFACE SHOULD BE SPRAYED WITH WATER TO START CURING AFTER 120 MINUTES TO 150 MINUTES FROM THE TIME OF CONCRETE LAYING.

6. START CURING WITH STORING WATER ON TOP OF CONCRETE AFTER 300 MINUTES TO 500 MINUTES FROM THE TIME OF CONCRETE LAYING.

7. READY MIX CONCRETE IS NOT ADVISED FOR PILE AND COLUMN CONCRETING.

TYPICAL VERTICAL THROUGH PILE

S. INBARAJAN, M.E. (Struct)
Registered Structural Engineer
Grade-4 (SE) in CMDA
Reg. No. SDC/4/19/12/2020 Dt. 27.02.2019
Sdnb (SSE) in Greater Chennai Corporation
Reg. No. RSE 1001202019 dt. 30.09.2019
<https://www.inbarajan.com>

REVISED NOTE
DRAWING FULLY REVISED AND REDRAWING

REV	DESCRIPTION	CHKD	DRN	DATE
R3.	DRAWING FULLY REVISED FROM 200 WALL TO 230 WALL	S.P.S.I	SENTHILR	06.08.24
R2	DRAWING REVISED FROM 230 WALL TO 280 WALL	S.P.S.I	SENTHILR	29.02.24
R1	DRAWING FULLY REVISED AND REDRAWING	S.P.S.I	SENTHILR	29.01.24

PROPOSED RESIDENTIAL BUILDING FOR MR. RADHAKRISHNAN AT S.V. TOWERS-2, ANNA NAGAR WEST, CHENNAI.			
No:50, Kirupasankari Street, West Mambalam, Chennai - 600 033, Ph : 2485 46 03	FOUNDATION DETAILS.		Dwg No... 11497 S-02
	DATE: 30.12.2023	SCALE: 1:25, 1:50	
S.P.S.Inbarajan, M.E., A.M.I.E., Structural Consultant	ARCHITECTS TSO DESIGN COMMUNE PVT. LTD. Architects • Planners • Interior designs  NO.101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 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, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000		
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