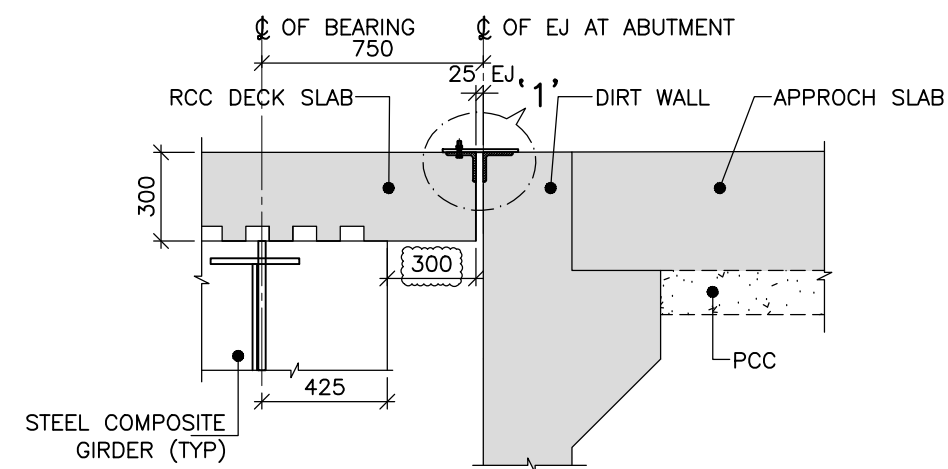
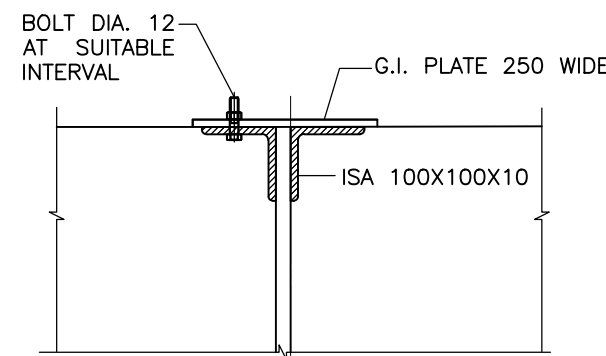


DIMENSION DETAIL OF DECK
(SCALE 1:20)



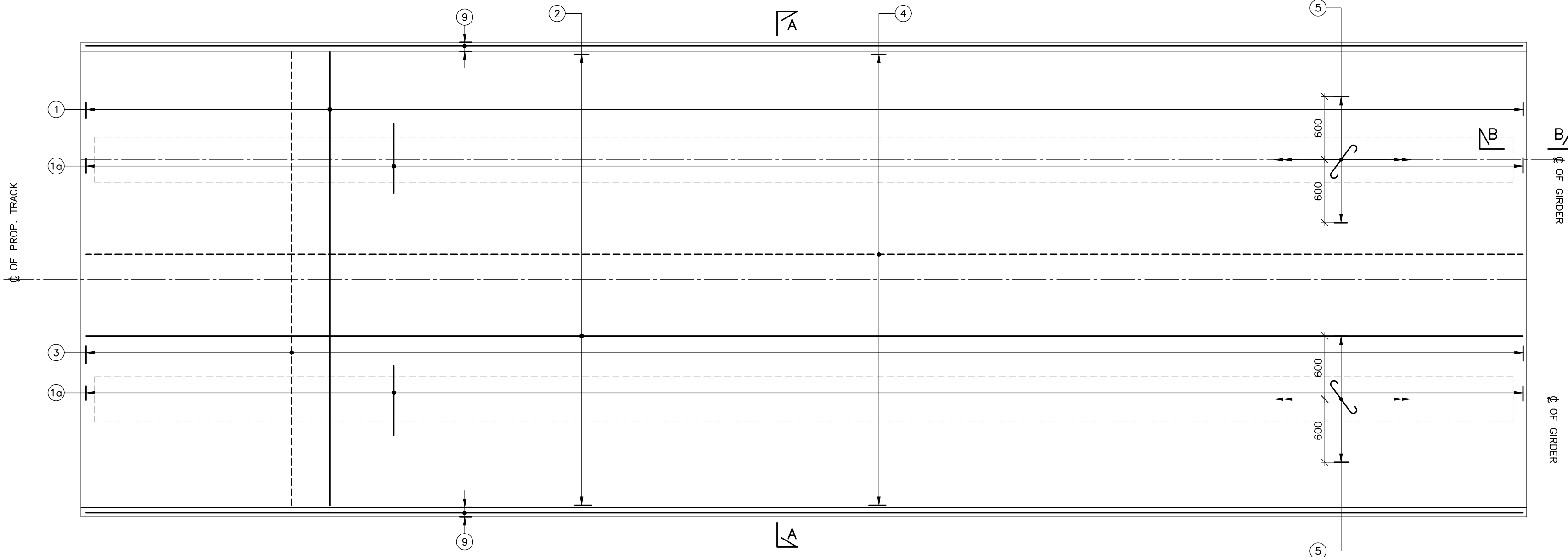
EJ LOCATION AT ABUTMENT A1 & A2
(SCALE 1:25)



DETAIL-1
(SCALE 1:10)

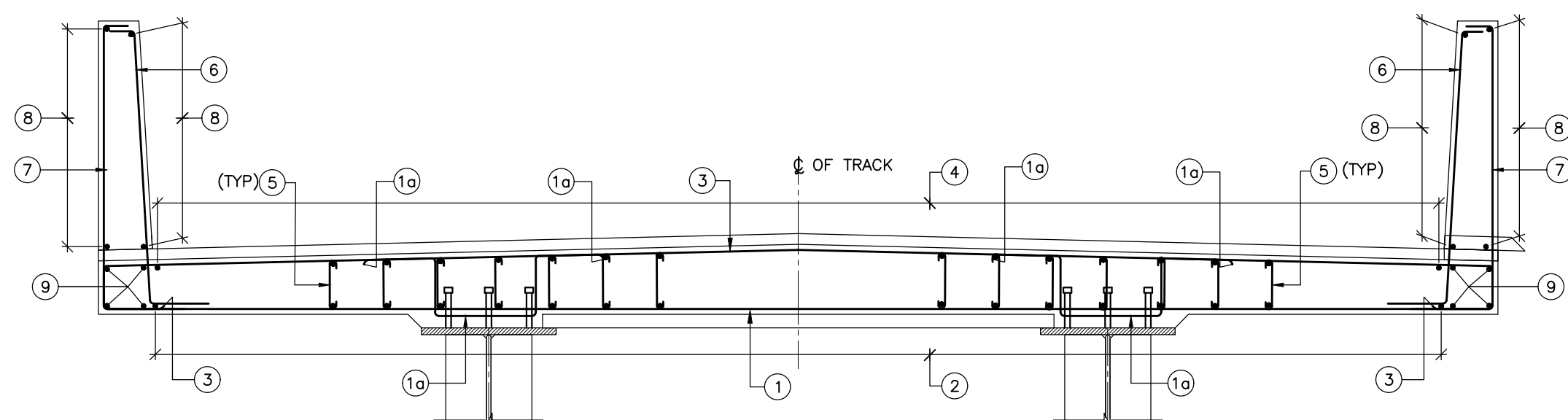
SCHEDULE OF REINFORCEMENT

BAR MARK	BAR DIA.	SHAPE	TOTAL NOS./ SPACINGS	REMARKS
①	10	100L 100	85 c/c	BOTTOM BAR
1a	10	300	170 c/c	BOTTOM BAR
②	10	VARIES 90 TO 100	200 c/c	BOTTOM BAR
③	16	200 200	85 c/c	TOP BAR
④	12	VARIES 90 TO 100	200 c/c	TOP BAR
⑤	10		200 c/c	TRANSVERSE
⑥	10	300	85 c/c	LONGITUDINAL
⑦	10	300	170 c/c	
⑧	10	VARIES 50 TO 100	170 c/c	
⑨	10		2x4 NOS.	

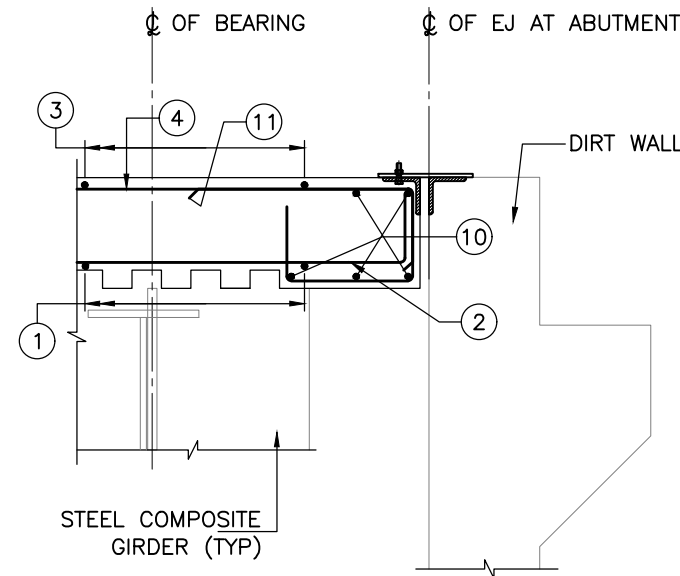


RC DETAILS OF PLAN
(SCALE 1:75)

BAR MARKS ⑥ TO ⑧, ⑩ & ⑪ NOT SHOWN FOR CLARITY



SECTION A-A
(SCALE 1:20)



SECTION B-B
(SCALE 1:20)

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
- DIMENSIONS SHALL NOT BE SCALED OFF FROM THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- CONCRETE GRADE:- M40 FOR DECK SLAB & BALLAST RETAINER.
- REINFORCEMENT:- Fe-500 BARS CONFORMING TO IS:1786-2008.
- MINIMUM CLEAR COVER TO THE REINFORCEMENT SHALL BE 40mm.
- DEVELOPEMENT/LAP LENGTH SHALL BE 41d WHERE 'd' IS DIA. OF LAPPING BARS. NOT MORE THAN 50% BARS SHALL BE LAPPED AT ANY LOCATION. THE LAPS SHALL BE STAGGERED BY MINIMUM 1.3 TIMES LAP LENGTH.
- MAXIMUM COARSE AGGREGATE SIZE SHALL BE 20mm.
- THE DESIGN IS SUITABLE FOR MODERATE ENVIRONMENT EXPOSURE CONDITIONS (i.e. DESIGN CRACK WIDTH NOT TO EXCEED 0.20mm AS PER CLAUSE NO. 10.2.1(a) OF IRS CONCRETE BRIDGE CODE).
- THE SLAB HAS BEEN DESIGNED FOR 400mm BALLAST CUSHION & CHECKED FOR 300mm BALLAST CUSHION VIDE CLAUSE NO. 2.2.2 OF IRS BRIDGE RULES.
- THE SLAB HAS BEEN CHECKED AGAINST DERAILMENT LOADS VIDE CLAUSE NO. 2.14 OF IRS BRIDGE RULES.
- CASTING OF SLAB SHOULD BE DONE IN ONE POUR FROM CENTER OF THE ENDS. IF IT IS NOT POSSIBLE & CONSTRUCTION JOINTS ARE PROVIDED, THE CASTING SHALL BE DONE AS PER SEQUENCE INDICATED.
- THE SURFACE SHOULD BE THOROUGHLY CLEANED. III POUR I POUR II POUR WASHED & A THIN LAYER OF CEMENT SLURRY APPLIED BEFORE RESUMPTION OF CONCRETE WORK.
- GUARD RAILS SHALL BE PROVIDED FOR THE ENTIRE LENGTH OF THE BRIDGE.

NOTES:	NOTES:	LEGEND:	REFERENCE DRAWINGS:	REFERENCE DOCUMENTS:	KEY PLAN	STATION BOX KEY PLAN	EMPLOYER:		
		— BOTTOM REINFORCEMENT --- TOP REINFORCEMENT	O22077-BSRP-CR2-C-MB-0-20-1118 ... GENERAL ARRANGEMENT DRAWING O22077-BSRP-CR2-C-MB-0-20-1119 ... DIMENSIONAL DETAIL OF STEEL COMPOSITE I-GIRDER FOR 30.5M SPAN	DOC-BSRP-CR2-AG-DGN-GR-20-1540 ... DESIGN CALCULATION FOR 32.5M SPAN STEEL COMPOSITE SUPERSTRUCTURE			DESIGNATION NAME SIGN		
REVISIONS	CONTRACTOR:	QUALITY ASSURANCE	GENERAL CONSULTANTS	EMPLOYER:	PROJECT:	DRAWING TITLE:	DRAWING NO.:		
	TRANSPORTATION INFRASTRUCTURE IC EDRC-SPECIAL BRIDGES	The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor.	NAME SIGN	RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED	BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2	MAJOR BRIDGE NO.660 AT BSRP CH:9.989 DIMENSION AND REINFORCEMENT DETAILS OF DECK SLAB TITLE3	O22077-BSRP-CR2-C-MB-0-20-1120		
	DETAILED DESIGN CONSULTANT (DDC): STUP Consultants Pvt. Ltd. P. 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, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 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	DATE: 08.12.2023 NAME: KSP PREPARED BY: KSP	DATE: 08.12.2023 NAME: RAN CHECKED BY: RAN	DATE: 08.12.2023 NAME: ADR APPROVED BY: ADR	DATE: 08.12.2023 NAME: SKS ISSUED BY: SKS	REVIEWED BY: PD PROJECT DIRECTOR	NAME DATE	REVISION DATE	DWG STATUS DATE