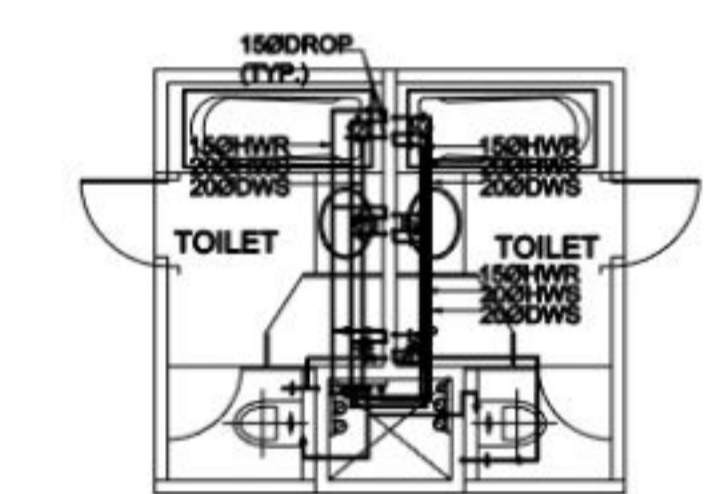
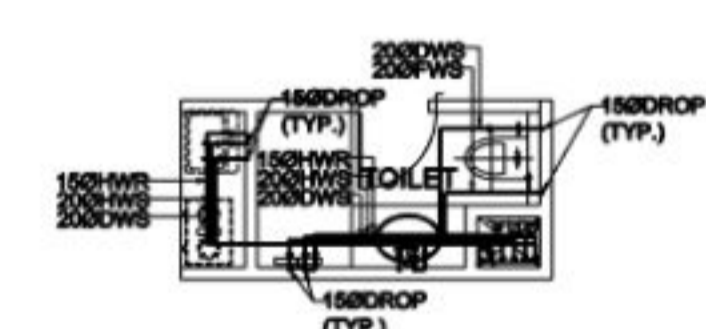


TOILET DETAIL  
DRAINAGE LAYOUT & WATER SUPPLY LAYOUT



TOILET DETAIL  
DRAINAGE LAYOUT & WATER SUPPLY LAYOUT

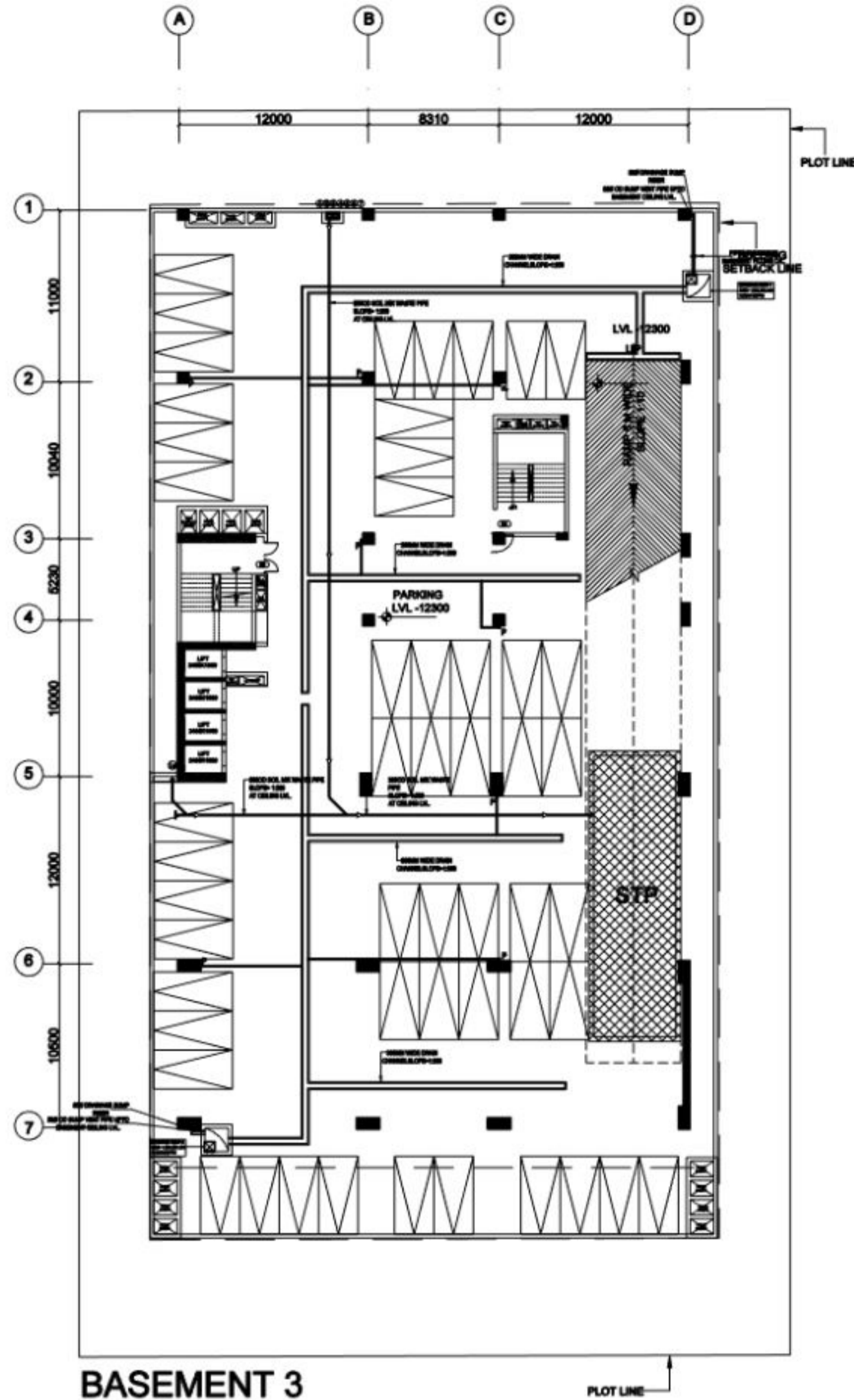


TOILET DETAIL  
DRAINAGE LAYOUT & WATER SUPPLY LAYOUT

**PLUMBING LEGEND:**

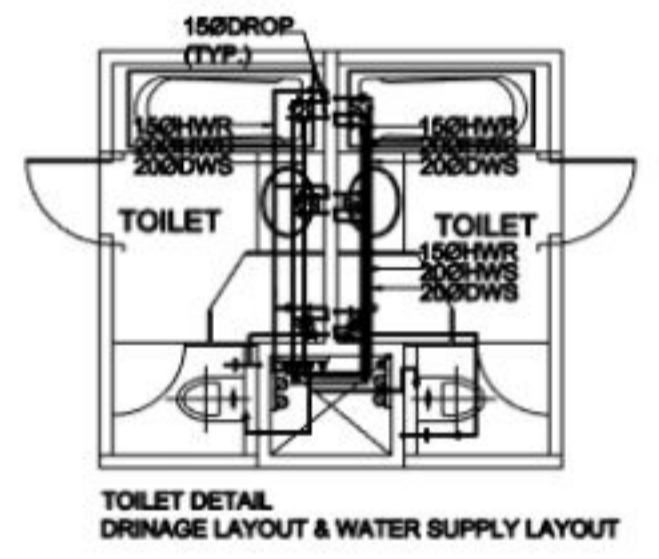
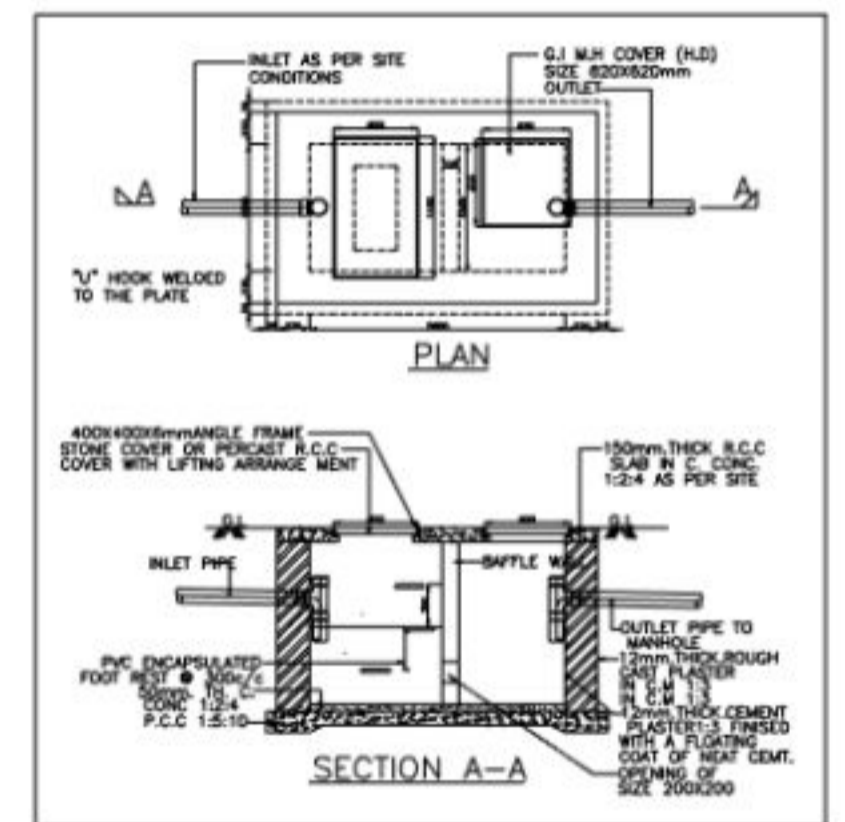
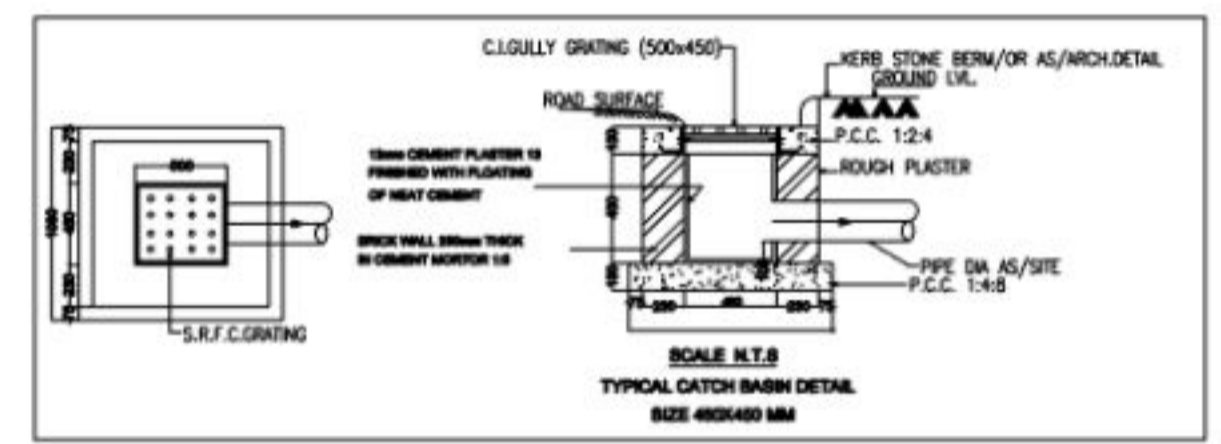
SYM	DESCRIPTION
— DWS	DOMESTIC WATER SUPPLY PIPE
— FWS	FLUSHING WATER SUPPLY PIPE
— HWS	HOT WATER SUPPLY PIPE
— HWR	HOT WATER RETURN PIPE
— DWR	DOMESTIC WATER RISER
— FWR	FLUSHING WATER RISER
— RWS	RO WATER SUPPLY PIPE
● BV	BALL VALVE
● BVV	BUTTERFLY VALVE
WC	WATER CLOSET
WB	WASH BASIN
SH	SHOWER
UR	URNAL
JL	JANITOR
HS	HAND WASH

Client Sign: <b>HARENDR A KUMAR</b> VISHWAKA RMA 18.11.05 - 05/37	Digitally signed by HARENDRA KUMAR Date: 2025.02.22 18:11:05 +05'30'	Architect Sign: <b>KAVI JAIN</b>
<b>NIRMAN CONSULTANTS</b> 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		
Project: <b>LEVANTE METRO WALK</b> Plot No: C-08, Sector-08/1A, G. Indira		
Type of Drawing: <b>CONCEPT LAYOUT</b> Title: <b>SLD PLUMBING</b>		
Scale: 1/10 Date: 08.08.2025 Project No: . Rev:	Drawn: ANISH KUMAR Check: At File No: . Drawing No:	C/2025MEP-101



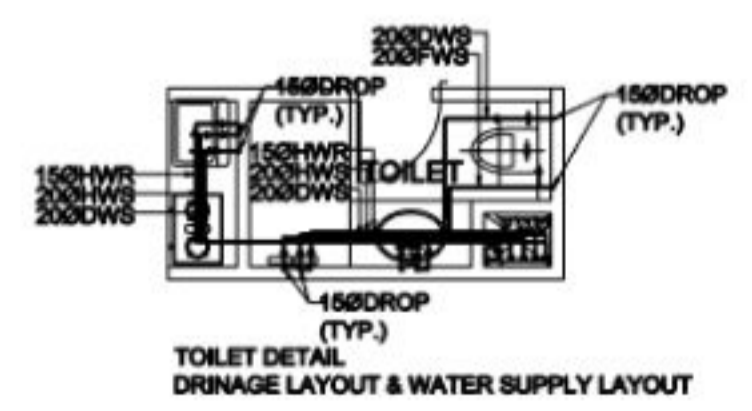
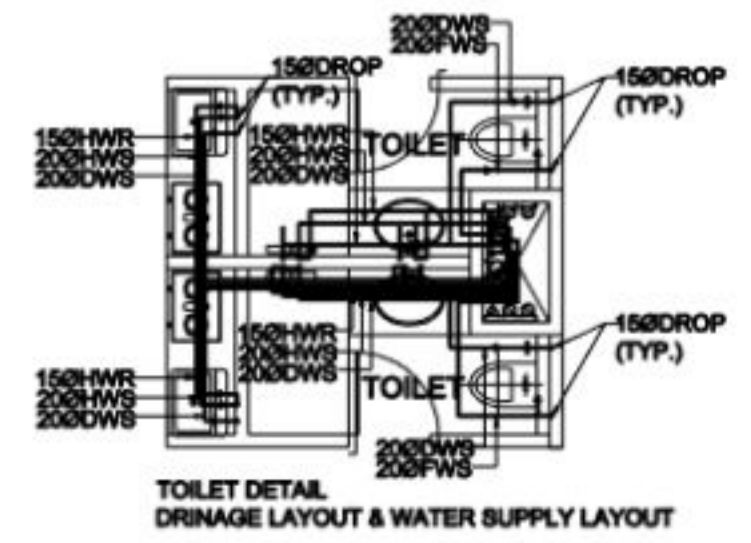
S. No.	DESCRIPTION	Total Area / Room	Occupant (M/person) / Room per person	Total Occ.	Water Req. / Person			Water Req.			Flow to		Flow to Sewer
					Non-Potable LPCD	Hot LPCD	Cold LPCD	Non-Potable LPD	Hot LPD	Cold LPD	Non-Potable	Potable	
1	Basement & Ground Floor	1027	3	609									
	Shops (Fixed Population)			61	20	7	16	1,220	427	1,036	1,220	1,296	2,516
	Shops (Floating Population)			549	10	2	3	5,490	1,098	1,647	5,490	2,333	7,823
2	1st & 2nd floor Shops	2164	6	361									
	Shops (Fixed Population)			37	20	7	16	740	259	666	740	790	1,528
	Shops (Floating Population)			325	10	2	3	3,250	650	975	3,250	1,391	4,631
3	3rd floor Office	1358	10	140									
	Fixed Population			14	20	7	16	280	98	282	280	296	578
	Floating Population			126	10	2	3	1,260	252	378	1,260	530	1,796
4	4th & 5th floor Banquet	1031	1.4	1105	15	30	35	17,475	23,303	40,775	17,475	54,494	71,939
5	7th to 15th floor Guest room	144	2	288	60	30	50	17,280	8,640	25,920	17,280	29,376	46,656
6	17th floor Club Area	321	1.4	229	20	8	17	4,586	1,834	3,986	4,586	4,872	9,458
7	18th floor Top Roof Restaurant	330	1.8	186	15	30	35	2,790	3,722	6,514	2,790	8,701	11,492
8	Filter Backwash (4% of Total Water)							2178	1611	3285			2178
9	Irrigation Water Requirement	1000		6				6000					
Total Non-Potable Water Demand (Flushing)								95.5	Say		97.0	KLD	
Total Potable Water (Cold+ Hot)								127.3	Say		128.0	KLD	
Total Non-Potable Water Demand (Garden Irrigation)								6.0	Say		6.0	KLD	
Flow To Sewer (Say)								160.6	Say		161.0	KLD	
20% extra as per MOEF requirements								192.7	Say		193.0	KLD	
Available Treated Water from STP								144.5	Say		145.0	KLD	
Available Treated Water After Reused								82.0	Say		82.0	KLD	

RAIN WATER HARVESTING PIT CALCULATION							
Sl.No.	Description	Area Considered in SQM.	Runoff Coefficient	Average Annual Rainfall (mm)	Total Volume of water available for RWH (cum/year)	Design hourly Intensity of Rainfall (mm/hr.)	Volume Of Rwh Pit Detention Tank Required For 15 Min Capacity
1	SITE AREA	3595					
2	ROOF TOP WATER	2299	0.90	435	900	45.0	46.55
3	PAVED SURFACES, ROADS AND OTHER BUILT UP AREAS	1096	0.60	435	286	45.0	14.80
4	LAWNS, GARDEN AND OTHER GREEN SPACES (ASSUMED OF TOTAL AREAS)	200	0.35	435	30	45.0	1.58
<b>TOTAL</b>					<b>3595</b>		
					<b>1185.51</b>		<b>62.93</b>
Volume of RWH pits required for 15 mins.							63
Assumed depth of water in each recharge pit (m)							3.5
Proposed Dia of Recharge Pits							4.2
Desilting Pit (1.0x1.2x1.5)							1.8
Oil and Grease Trap (1.0x1.2x1.5)							1.8
volume of proposed each RWH pit							52
No. of recharge pits planned (4.2 M dia With 3.5 M Effective Depth)							1



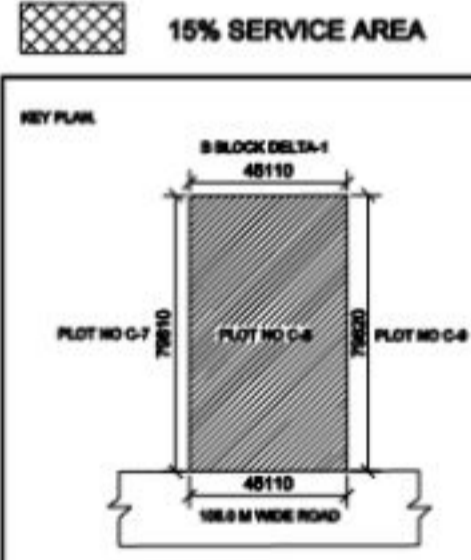
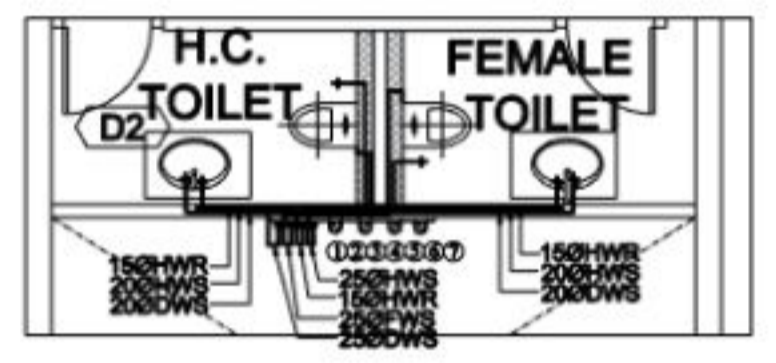
STANDARD DETAIL FOR GREASE TRAP

TOILET DETAIL DRAINAGE LAYOUT & WATER SUPPLY LAYOUT



TOILET DETAIL DRAINAGE LAYOUT & WATER SUPPLY LAYOUT

TOILET DETAIL DRAINAGE LAYOUT & WATER SUPPLY LAYOUT



SYMBOL	DESCRIPTION
①	110 OD BOLL PIPE VERTICAL
②	210 OD BOLL PIPE VERTICAL
③	110 OD WHITE PIPE VERTICAL
④	80 / 60 OD WHITE PIPE VERTICAL
⑤	DOMESTIC WATER SUPPLY OR STACK PIPE
⑥	PLUMBING WATER SUPPLY OR STACK PIPE
⑦	HOT WATER SUPPLY OR STACK PIPE
⑧	HOT WATER RETURN STACK PIPE
⑨	110 OD RAIN WATER PIPE VERTICAL
⑩	100 OD RAIN WATER PIPE VERTICAL
⑪	210 OD RAIN WATER PIPE VERTICAL
⑫	FLOOR DRAIN
⑬	FLOOR TRAP
⑭	UPRNL TRAP
⑮	CLEAN OUT PLUG
⑯	OUTLET MANHOLE
⑰	110 OD BOLL PIPE (HC TO VERTICAL) (SLOPE= 1:8)
⑱	110 OD WHITE PIPE (HC TO VERTICAL) (SLOPE= 1:8)
⑲	40 OD WHITE PIPE (HS TO FT) (SLOPE= 1:8)
⑳	40 OD WHITE PIPE (FO TO FT) (SLOPE= 1:8)
㉑	80 OD BOLL PIPE (SMALL TO UT) (SLOPE= 1:8)

Client Sign: HARENDR A KUMAR, VISHWAK ARMA  
 Digitally signed by HARENDR A KUMAR, VISHWAK ARMA  
 Date: 2026.01.02 18:34:02 +05:30

Architect Sign: KAVI JAIN  
 Digitally signed by KAVI JAIN  
 Date: 2026.01.02 18:34:02 +05:30

**NIRMAN CONSULTANTS**  
 Total project management, architecture, planning, services

Project: PROPOSED COMMERCIAL PROJECT "METRO WALK" FOR M/S LEVANTE PROJECTS Plot No C-08, Sector-DELTA-1, G. Noida

Type Of Drawing: PLUMBING SUBMISSION DRAWING

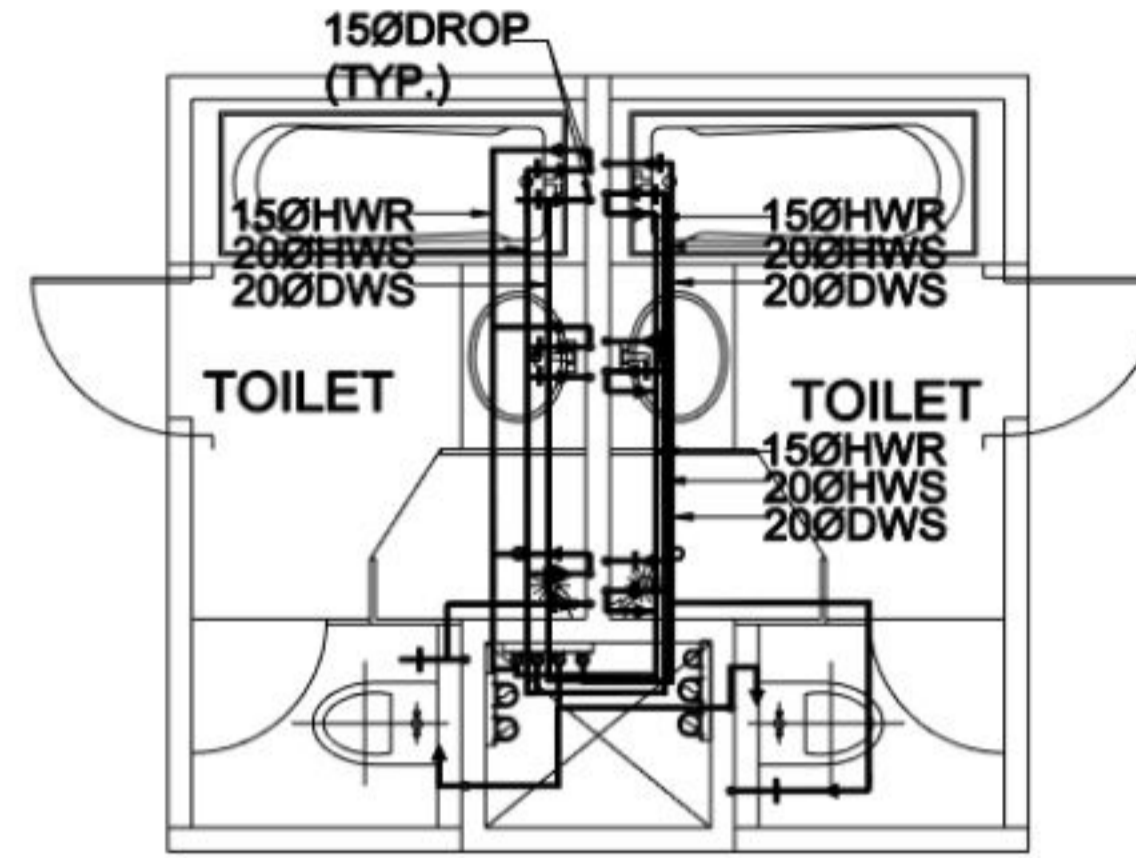
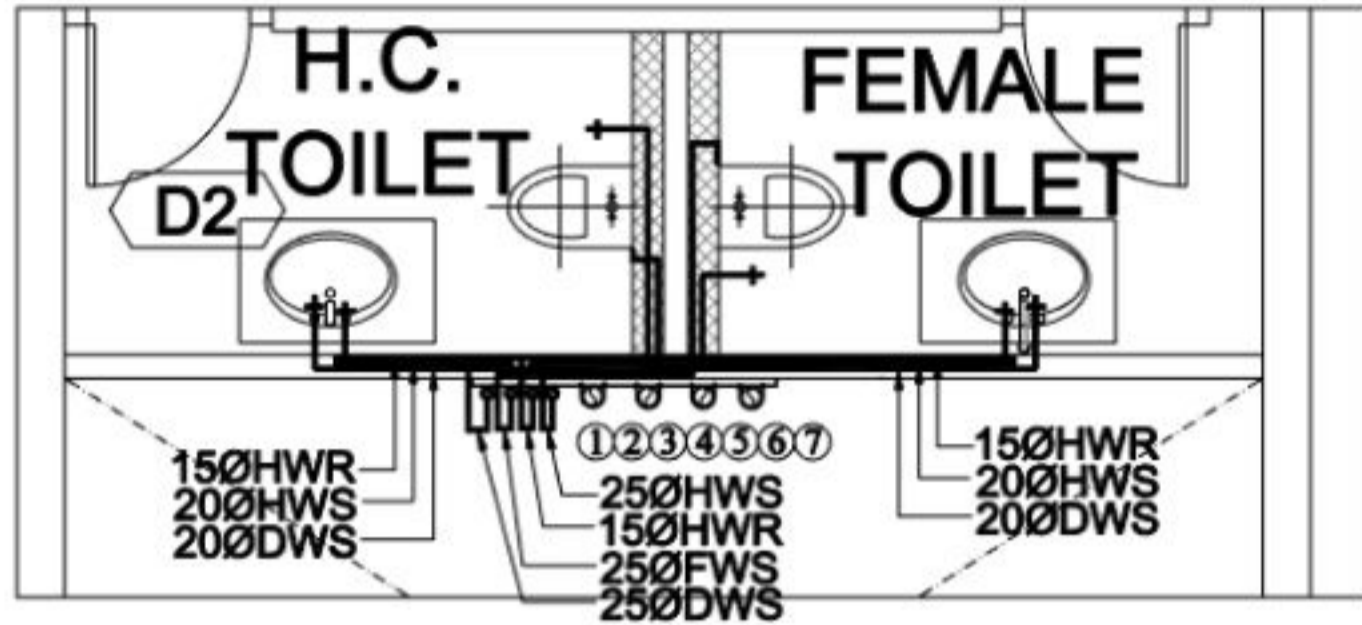
Title: BASEMENT 3 PLAN

Scale: 1:200  
 Date: 08-11-2025  
 Project No.:  
 Sheet No.:  
 Drawing No.:  
 Drawn: ANSH KUMAR  
 Checked: AJ

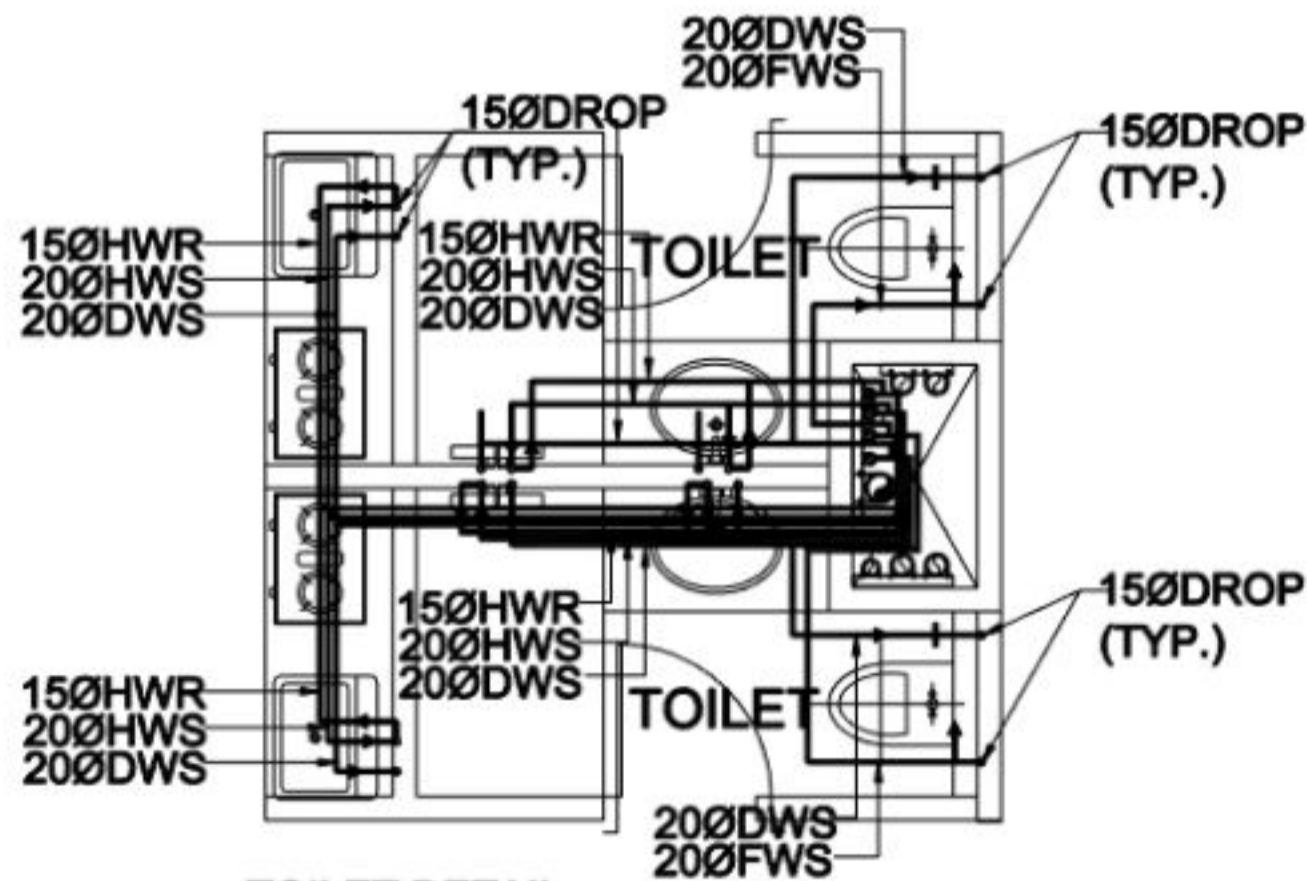
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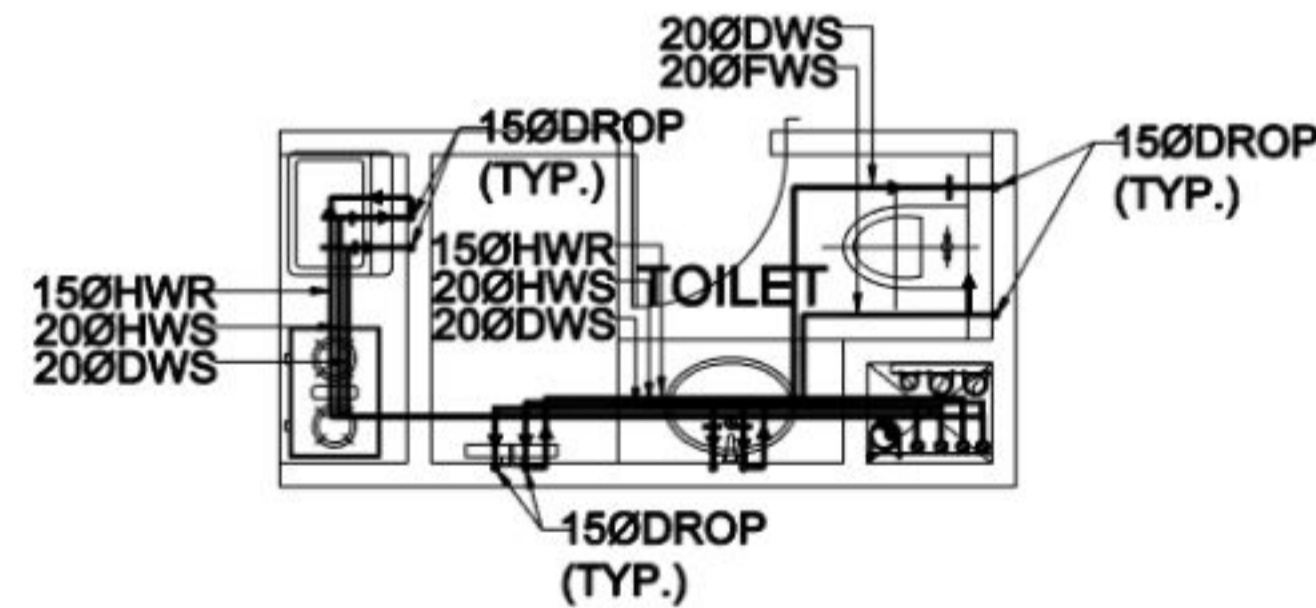




TOILET DETAIL  
DRINAGE LAYOUT & WATER SUPPLY LAYOUT

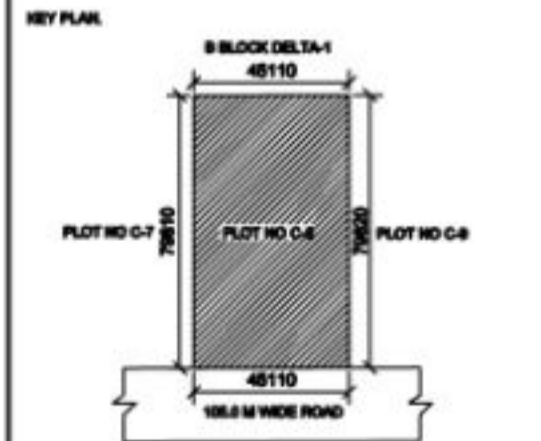


TOILET DETAIL  
DRINAGE LAYOUT & WATER SUPPLY LAYOUT



TOILET DETAIL  
DRINAGE LAYOUT & WATER SUPPLY LAYOUT

15% SERVICE AREA



Client Sign: \_\_\_\_\_ Architect Sign: **KAVI JAIN**



Project: _____	
Type Of Drawing: <b>PLUMBING SUBMISSION DRAWING</b>	
Title: <b>TOILET PLUMBING DRAWING</b>	
Scale: 1:50	Drawn: AJAY KUMAR
Date: 05-11-2025	Sheet No: A1
Project No: _____	File No: _____
Rev: _____	Drawing No: <b>SB3</b>