



	RECESSED IP RATED 10W LED DOWNLIGHT AS PER OUTLET OR SMALL AFFORDABLE
	FIRE RATED SHALED FLUORESCENT AS PER OUTLET OR SMALL AFFORDABLE
	FIRE CURTAIN MIDSOLE/STAY/ANALOG/ANALOG/ANALOG CONTROLLED BY FIRE ALARM AND FIRE OVERSIGHT
	PASSIVE INFRA RED MOTION DETECTOR
	DOOR RELEASE / ACCESS FOR
	FIXED CCTV CAMERA
	LOCKABLE CLEANERS SWITCHED SOCKET OUTLET
	IP RATED SWITCHED SOCKET OUTLET
	SWITCHED FUSED CONNECTION UNIT
	IPN ISOLATOR
	VIDEO ENTRY UNIT
	SINGLE SWITCH
	MULTI GANG SWITCH
	FIRE ALARM BREAK GLASS
	FIRE ALARM SIREN
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM PANEL
	SINGLE WAY DATA CHANGER AS PER POC POINT THIS MAY BE COMMERCIAL TYPE APP CONTROLLER

No information on this drawing shall be shared with a third party without the written authority of SJS Engineering Consultancy Ltd. ©2023.

All scaled dimensions taken from this drawing shall be verified on site. For reference, this box width measures 50mm in length when plotted at the correct paper size and scale.

CDM PRE-CONSTRUCTION INFORMATION

The following information is provided in pursuance of Regulation 9 of the CDM regulations 2015.

GENERAL NOTES

- This drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
- This drawing shall be read in conjunction with all relevant specifications and drawings.
- Any apparent drafting errors and/or differences between other drawings and specifications shall be brought to our immediate attention.
- The exact location of all plant items/equipment and the route of all services shall be determined prior to installation by the Engineering Contractor.
- All plant, equipment, distribution system components and ancillaries shall be installed in strict accordance with the manufacturer's instructions.
- The Engineering Contractor shall allow for changes in distribution systems invert levels (including any sets up and down etc.) as necessary to coordinate fully with the building structure and all other services.

Important:

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Unless stated otherwise, all dimensions are in millimetres.

DO NOT SCALE FROM THIS DRAWING

All service routes and equipment locations are indicative, actual locations shall be determined by site dimensions.

Where applicable, all dimensions shall be checked by the contractor on-site, prior to commencement of any works.

THIS IS NOT AN INSTALLATION DRAWING

Requirements of the Health & safety at Work Act 1974 & subsequent amendments thereto are brought to the attention of all those who design, install or maintain plant and equipment shown on these drawings or are required to enter areas shown on these drawings.

This drawing is provided to indicate design intent for the electrical services arrangements. The electrical contractor shall be responsible for the detailed design & installation of the complete electrical services & ancillary services installations. For individual system requirements, refer to the electrical services specification & project room data sheets.

This drawing shall be read in conjunction with all other contract documentation & drawings. This shall include, but not be limited to, the following:

- Electrical services drawings
- Mechanical services drawings
- Engineering room data sheets
- Engineering specifications
- Architectural drawings & specifications
- Architectural room data sheets
- Structural engineering drawings & documentation
- Main contract preferences

appropriate British Standards for that specific system. Particular attention shall be paid to ensuring full compliance with the latest amendments of BS7671 2018 requirements for Electrical Installations - IEE wiring regulations 18th edition.

The electrical contractor shall be responsible for coordination of the electrical services installation with all other building services arrangements. For setting out of ceiling wall mounted accessories, refer to Architect's RCP layouts and elevations. Containment indicative of primary containment only. All secondary containment selected and installed by contractor.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL, MECHANICAL DRAWINGS AND DETAILS. THE SPECIFICATION FOR THE WORKS, THE RELEVANT ARCHITECT'S DRAWING AND ANY OTHER SPECIALISTS DRAWINGS.
- ALL SYSTEMS SHALL BE IN FULL COMPLIANCE WITH THE FIRE STRATEGY, LOCAL FIRE OFFICER'S BUILDING CONTROL AND INSURANCE COMPANY REQUIREMENTS.
- LOCATION MOUNTING HEIGHT AND ACCESSIBILITY OF ALL MEP SERVICES TO BE FULLY COMPLIANT WITH ACCESSIBLE CODE REQUIREMENTS & GOOD WORKING PRACTICE.
- ALL APERTURES CREATED THROUGH FIRE RATED WALLS DURING THE MEP INSTALLATION SHALL BE SEALED TO MAINTAIN FIRE & SMOKE INTEGRITY. FIRE SEAL TO AS STRUCTURAL ENGINEERS & ARCHITECTS SPECIFICATIONS.
- WHERE PHOTOCELLS ARE UTILISED, THEY SHALL BE FULLY ADJUSTABLE, FROM 4 TO 20 LUX.
- EMERGENCY LIGHTING TO BE TESTED BY KEY SWITCH ADJACENT LANDLORDS DISTRIBUTION BOARD.
- INTERNAL FINAL LIGHTING CIRCUITS SHALL BE LOW VOLTAGE WITHIN GALVANISED STEEL TRUNKING ALUM PLUG IN CEILING ROSE TO BE INSTALLED ON TRUNKING FLEX TO MINIMISE FIRE RISK IN CEILING ROSE TO LIGHT FITTINGS.
- LIGHTING WITHIN LIFT SHAFTS BY LIFT CONTRACTOR.
- CONSULT LUMINAIRE SCHEDULE FOR LUMINAIRE DETAILS.
- LIGHTING SWITCHES FOR:
 - COMMON AREA CORRIDOR PERMANENTLY ON CIRCUIT (OVERHEAD).
- ALL FIRE ALARM CABLEING SHALL BE ENHANCED FIRE RATED CABLEING WITH LSZH SHEATH.
- FIRE ALARM SYSTEM TO COMPLY WITH BS 5830.
- FINAL LOCATION OF FIRE ALARM DEVICES SUBJECT TO FIRE ALARM SPECIALISTS RECOMMENDATIONS.
- WHERE FIRE ALARM CABLEING IS CLIPPED DIRECTLY TO THE SOFFIT USING METALLIC CABLES THEY SHALL BE EQUAL TO THE FIRE RATING OF THE FIRE ALARM CABLEING.
- MASTER STATION AND EMERGENCY VOICE COMMUNICATION REFUGE OUTSTATIONS TO HAVE LOUDSPEAKER & LISTEN FACILITY.
- DISABLED REFUGE USE MASTER STATION TO PROVIDE OVERVIEW OF SYSTEM STATUS WITH INDIVIDUAL CALL BUTTON LEADS FOR EACH OUTSTATION.
- DISABLED WC ASSISTANCE ALARM TO BE IN ACCORDANCE WITH BS 8300.

Rev	Date	Description	By	CHKD
C2	OCT 2022	REVISED FOR CONSTRUCTION	KW	SJS
C1	JUNE 2022	FOR CONSTRUCTION	KW	SJS
P3	MAY 2022	REVISED OR APPROVAL	KW	SJS
P2	APR 2022	REVISED OR APPROVAL	KW	SJS
P1	FEB 2022	FOR APPROVAL	KW	SJS

Revisions

SJS Engineering Consultancy Ltd
Building Services Consultants

1st Floor, 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.

Project: 7 CROSS LANE

Drawing Title: ELECTRICAL SERVICES
GROUND FLOOR
LIGHTING & SMALL POWER LAYOUT

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