

**P21-024 Calder Park**

**Drawing Register: Carter**

**Works Completed:**  
**Mechanical Works**

Drawing No.	Drawing Title	Rev
P21024-CES-XX-XX-DR-M-1001	Above Ground Drainage Layout	AF
P21024-CES-XX-XX-DR-M-1002	Above Ground Drainage Schematic	AF
P21024-CES-XX-XX-DR-M-2001	Domestic Hot and Cold Water Layout	AF
P21024-CES-XX-XX-DR-M-2002	Domestic Hot and Cold Water Schematic	AF
P21024-CES-XX-XX-DR-M-4001	Ventilation, AC & Heating Layout	AF
P21024-CES-XX-XX-DR-M-4002	Ventilation Services Schematic	AF

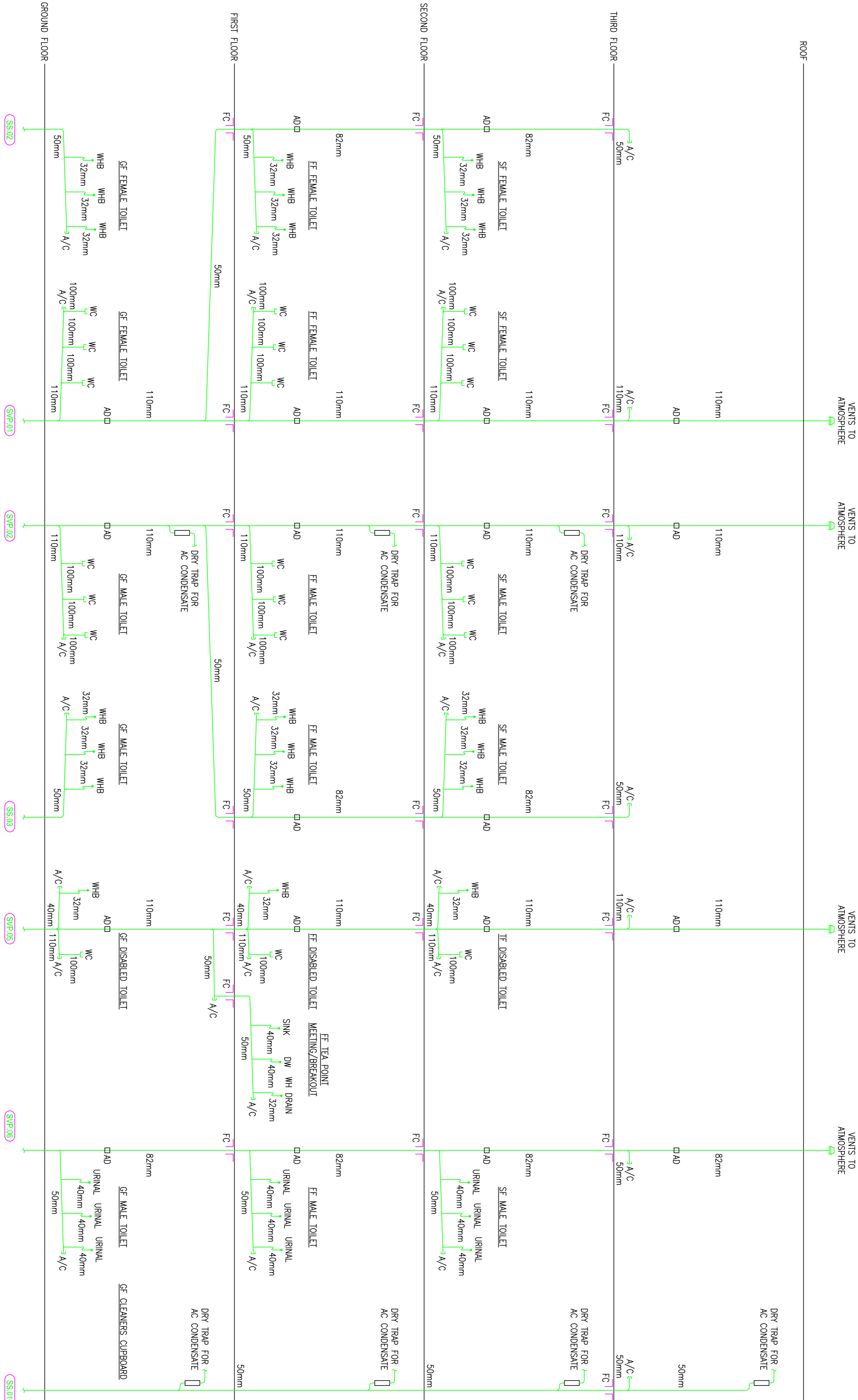


NOTES

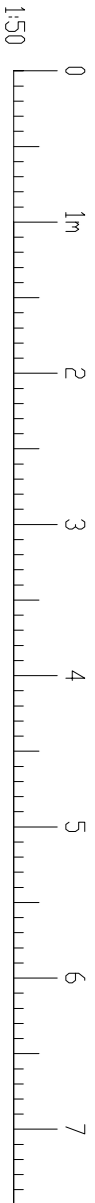
1. ALL BOXING IN BY OTHERS
2. POP-UP LOCATIONS TO BE REVIEWED BY CIVIL ENGINEER PRIOR TO CASTING WITHIN THE STRUCTURAL CONCRETE BASE
3. CIVIL ENGINEER TO REVIEW ALL ATMOSPHERIC VENT LOCATIONS AND CONFIRM ACCEPTANCE OF PROPOSED LOCATIONS AND NUMBERS
4. ALL DRAINAGE INSTALLED IN UPVC - SOLVENT WELDED (INCLUDING CONDENSATE LINES)
5. ALL BELOW GROUND DRAINAGE POP-UPS, INCLUDING ALL SOCKET PLUGS AND REDUCERS, BY OTHERS
6. ALL PENETRATIONS THROUGH FLOOR FULLY SEALED AND PROTECTED AGAINST GAS AND MOISTURE ENTRY
7. ALL PENETRATIONS THROUGH INTERNAL FLOOR SLABS, OR OTHER PENETRATIONS BREACHING FIRE COMPARTMENT LINES, COMPLETE WITH FIRE COLLARS
8. ALL TRAPS ARE ANTI-VAC TYPE BOTTLE TRAPS c/w 75mm SEAL
9. ACCESS DOORS FITTED TO ALL VERTICAL SPP's AT 1200mm AFL
10. ALL TRAPS & EXPOSED PIPEWORK CHROME FINISHED.
11. REFER TO SCHEMATIC FOR FURTHER DETAILS.
12. REFER TO WINVIC INSTALL STANDARDS.

LEGEND

- SOL & WASTE PIPEWORK AT LOW LEVEL
- SOL & WASTE PIPEWORK AT HIGH LEVEL
- DIRECTION OF FLOW / FLOW
- WHB / URINAL TRAPPED OUTLET
- TOILET SOCKET CONNECTION
- RODDING ACCESS - ACCESS CAP
- UPSTAND FITTING (ACCESS, M/W etc)
- SOL / WASTE STACK



Rev	Description	Drawn By	Checkd By	Date
AS FITTED				
BASED ON: ARCHITECTS				
Drawing Status: AS FITTED				
CARTER ELECTRICAL SERVICES LIMITED				
Unit 6, North Sails Business Park, Innovation Way, Salford, Greater Manchester, M6 6PU. Telephone: 01782 822250 www.carterelectrical.co.uk				
Project: CALDER PARK				
Title: ABOVE GROUND DRAINAGE SCHEMATIC				
Worksheet:				
Consultant:				
Designer: MOS	Project Manager:	Coord: MOS	Checked: SPP	
Date: JULY '22	Calc File:		Scale: 1:50	A1
Drawing No: P21024-CES-XX-XX-DR-W-1002				Rev:
Copyright: Carter Electrical Services LTD				
Contractors are to check all dimensions on site and refer any discrepancies to Carter Electrical immediately				











## DUCTWORK GENERAL INSTALLATION

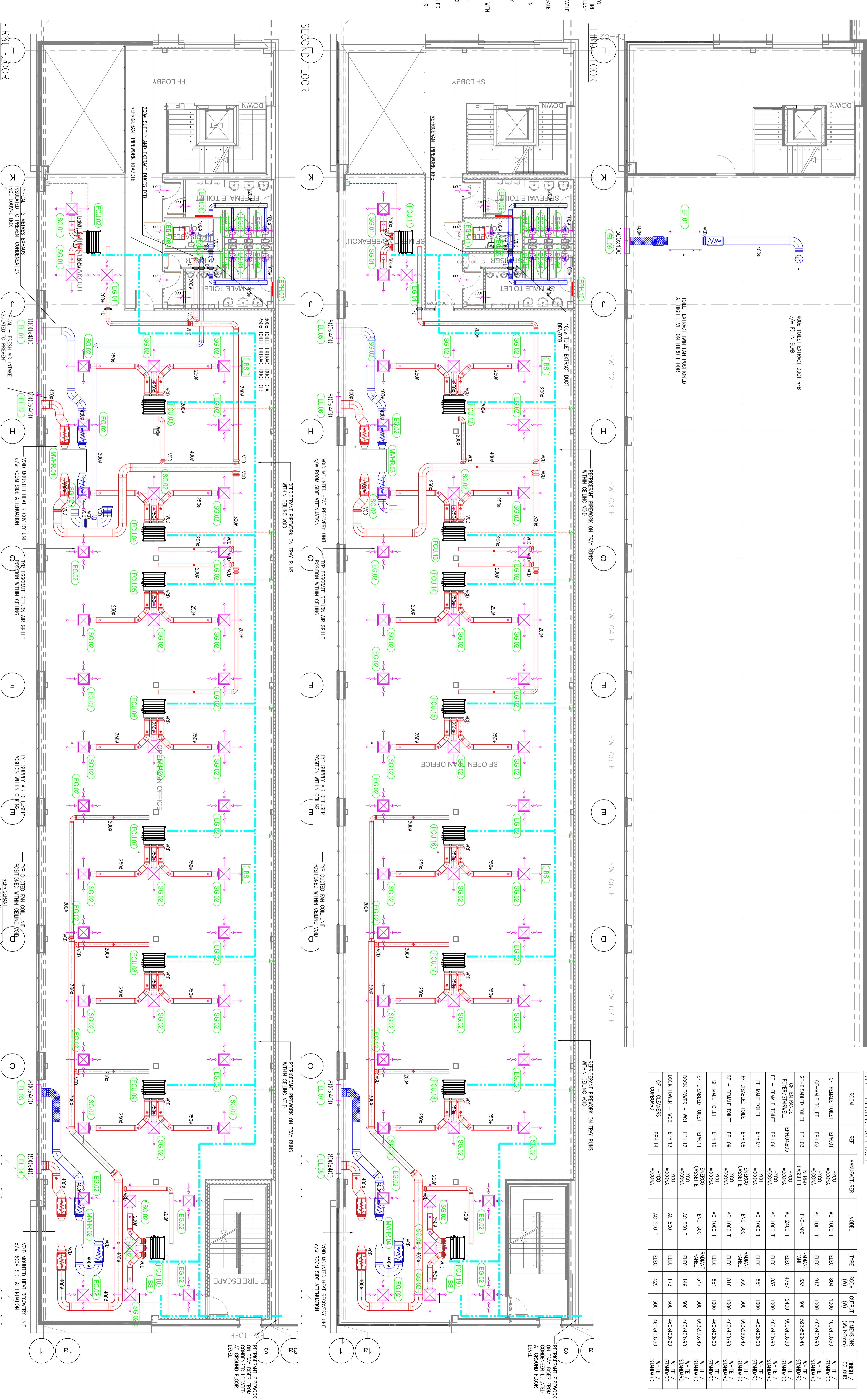
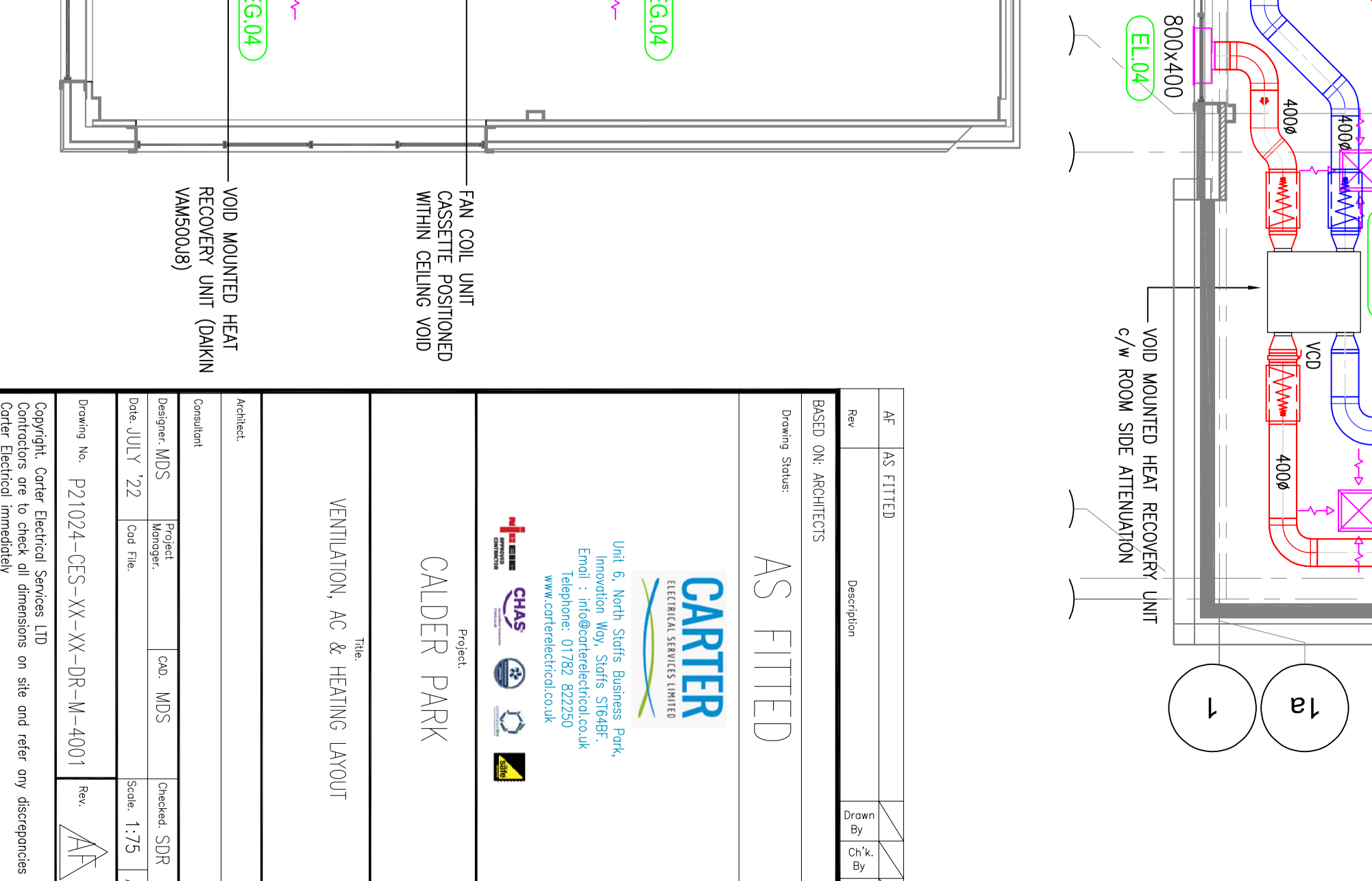
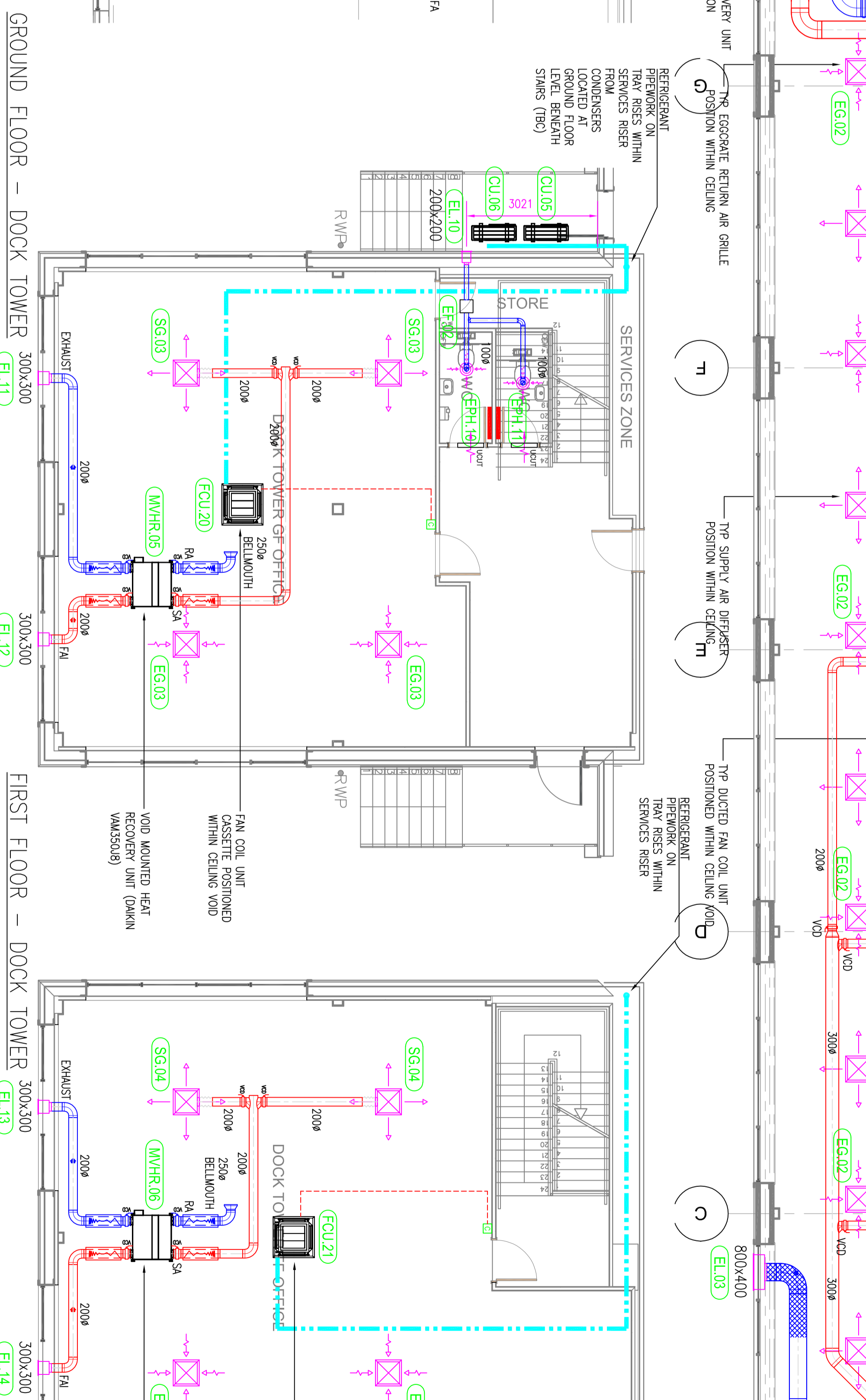
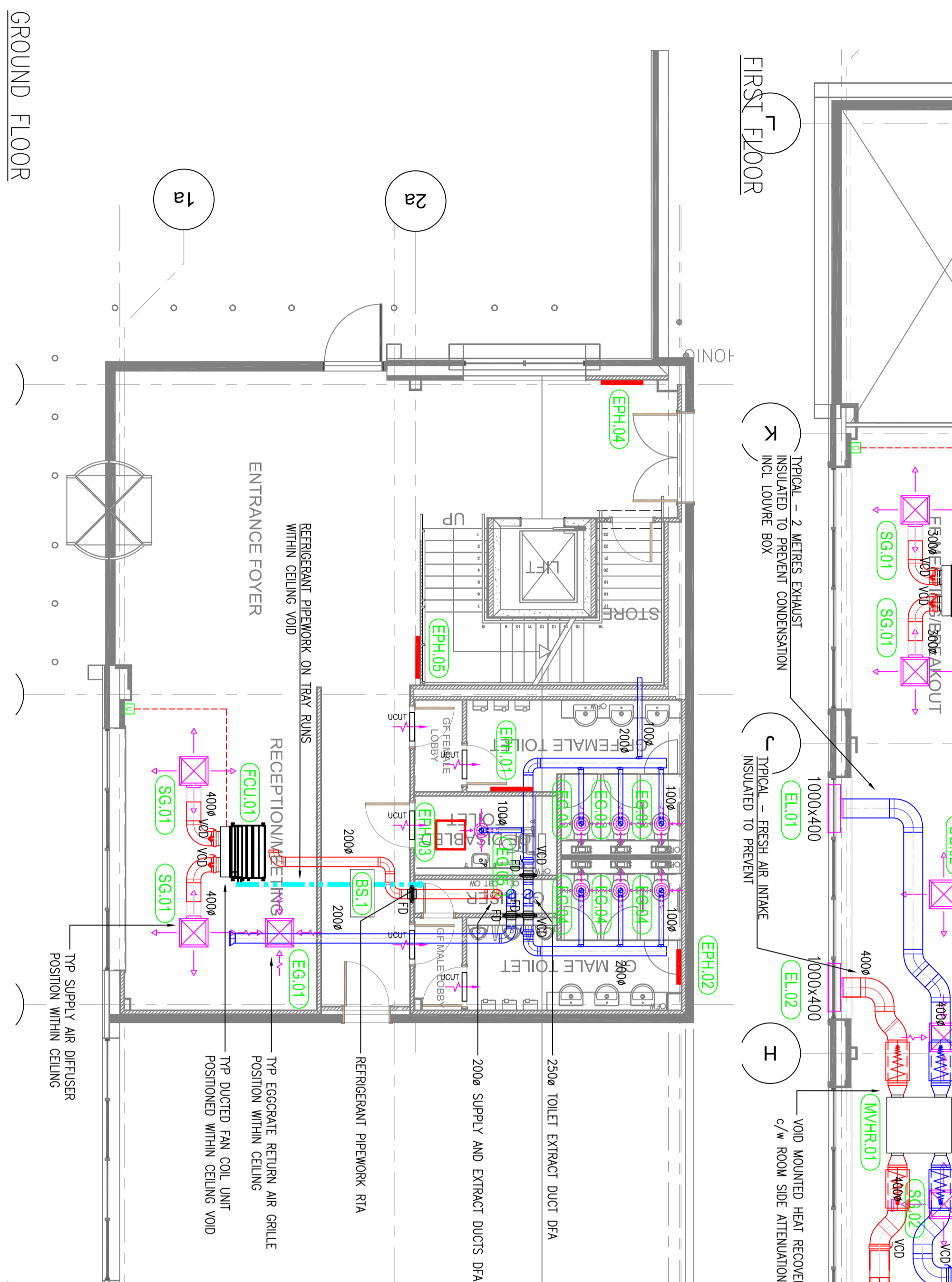
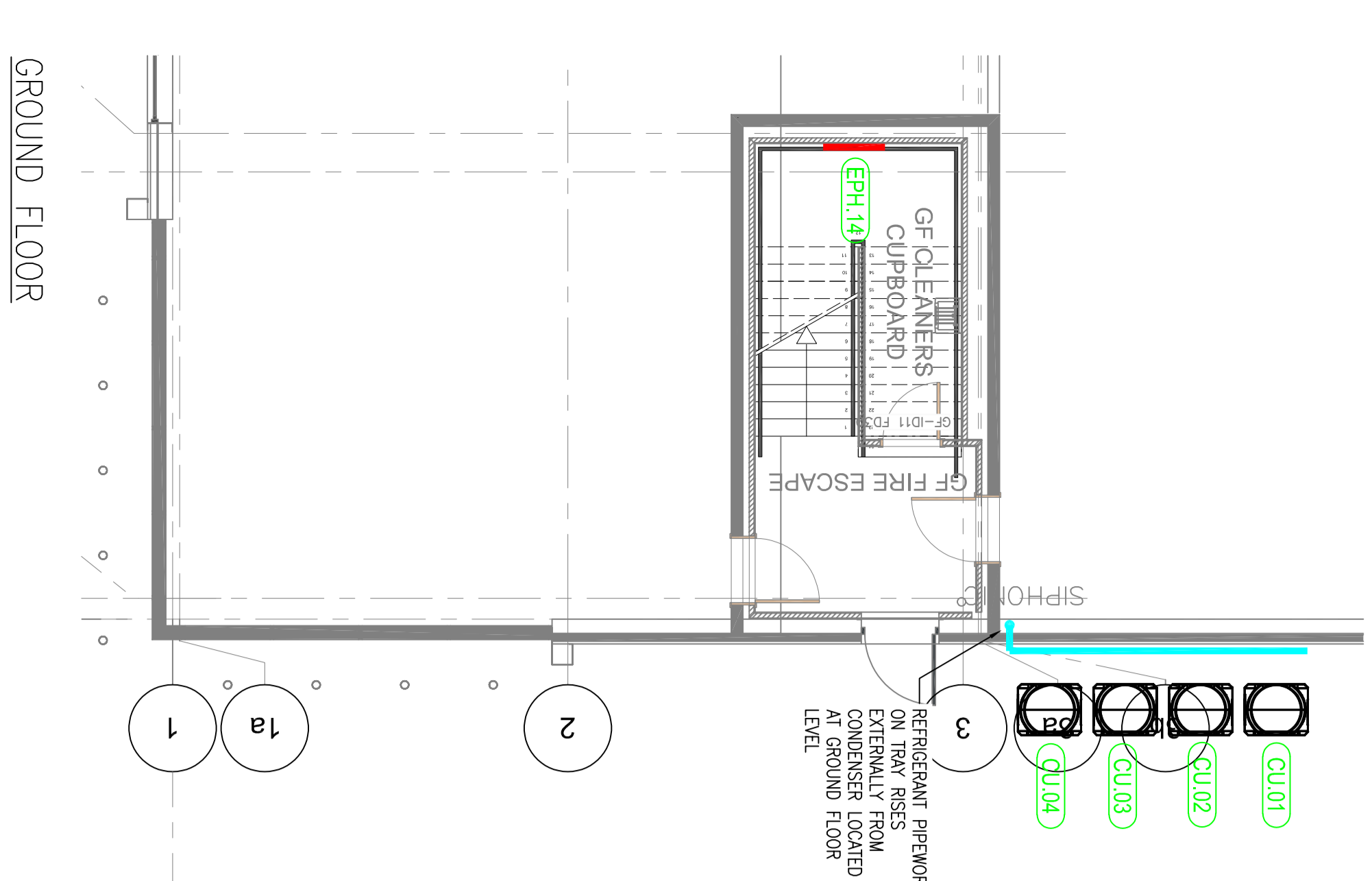
### LEGEND

1. ALL DUCTWORK SYSTEMS INSTALLED IN ACCORDANCE WITH DW/144 SPECIFICATION PER SHEET METAL DUCTWORK FOR LOW PRESSURE CLASS A SYSTEMS.
2. ALL DUCTWORK MANUFACTURED FROM HOT DIP GALVANIZED STEEL OR EQUIVALENT. ALL DUES NOTED OTHERWISE ON THE DRAWINGS.
3. RECTANGULAR DUCTWORK, CROSS SECTIONS SHOULD BE SIZED IN ACCORDANCE WITH DW/144, FIGS 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, 82

- ## NOTES
1. ALL PIPework TO BE SLEEKED & FREE STOPPED TO BE SAVED (THE MINIMUM) WHEN PASSING THROUGH THE WALLS OF THE BUILDING. THE PIPES TO BE USED FOR THE SERVICES WITH SERVICES THEREAFTER EXPLODED.
  2. CONCRETE GRouting TO BE RUN TO NEAREST SURFACED CONCRETE AND ADAPTED SPLIT SANDING THERE.
  3. CONCRETE PIPES TO BE USED WHERE CONCRETE CAN NOT FILL TO BRUSH.
  4. ALL AIR FLOWING THROUGH SINK SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
  5. CONCRETE PIPE WORK SHALL BE INDEPENDENTLY SUPPORTED AND NOT TO BE Laid ON OR IMPROVE WEIGHT ON THE CEILING.
  6. ALL REFRIGERANT PIPE WORK SHALL BE PROVIDED WITH A THERMAL INSULATION.
  7. THE INSTALLER OF REFRIGERANT SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  8. ALL PIPework IN THE CEILING JOINTS AND CONCEALED INSTALLATION WITH ACCESS TO PROVIDE A VAPOR SEAL.

LEGEND

- |                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | EQUIPMENT CONTROLLER - LOCAL  |
|  | INDICATES CONTROLS CONNECTION |
|  | REFRIG. PIPEWORK ROUTE        |
|  | ELECTRIC PANEL HEATER         |



SPECIALTY TOILET MODELS									
ROOM	REL	MANUFACTURER	MODEL	TYPE	ROOM (sq ft)	OUTPUT (l/min)	DIMENSIONS (WxHxD)	FINISH	INSTALLATION
GF-FEMALE TOILET	EPH-01	HYCO	AC 1000 T	ELEC	804	1000	460x40x80	WHITE / CHROME	STANDARD
GF-MALE TOILET	EPH-02	HYCO	AC 1000 T	ELEC	913	1000	460x40x80	WHITE / CHROME	STANDARD
GF-UNBLENDED TOILET	EPH-03	HYCO	ENC-200	PLUMB	433	300	59x54x45	WHITE / STAINLESS	STANDARD
GF-ENBLENDED TOILET	EPH-04	HYCO	AC 2400 T	ELEC	1777	2400	59x54x45	WHITE / STAINLESS	STANDARD
FF-FEMALE TOILET	EPH-05	HYCO	AC 1000 T	ELEC	837	1000	460x40x80	WHITE / CHROME	STANDARD
FF-MALE TOILET	EPH-07	HYCO	AC 1000 T	ELEC	851	1000	460x40x80	WHITE / CHROME	STANDARD
FF-UNBLENDED TOILET	EPH-08	HYCO	ENC-200	PLUMB	355	300	59x54x45	WHITE / STAINLESS	STANDARD
FF-ENBLENDED TOILET	EPH-09	HYCO	AC 1000 T	ELEC	816	1000	460x40x80	WHITE / CHROME	STANDARD
FF-MALE TOILET	EPH-10	HYCO	AC 1000 T	ELEC	851	1000	460x40x80	WHITE / CHROME	STANDARD
FF-FEMALE TOILET	EPH-11	HYCO	ENC-200	PLUMB	347	300	59x54x45	WHITE / STAINLESS	STANDARD
DOCK TOWER - WC	EPH-12	HYCO	AC 300 T	ELEC	119	500	460x40x80	WHITE / STAINLESS	STANDARD
DOCK TOWER - WC	EPH-13	HYCO	AC 300 T	ELEC	143	500	460x40x80	WHITE / STAINLESS	STANDARD
GF - CLEANERS (cupboard)	EPH-14	HYCO	AC 500 T	ELEC	425	500	460x40x80	WHITE / STAINLESS	STANDARD

