



Proposed dimensions required for Type 13.

Please reference alteration drawings for Windows / Fan Lights etc.

Please note: this issue was compiled prior to the completion of soft strip or MEP strip, so can act as a contract issue, but not a full Construction Issue. All of the BWICs noted below require validation following these work packages to ensure that existing holes are being reused and are the correct size where possible. The BWICs have been proposed in some locations where it has been assumed there are existing penetrations, but the full size of these cannot currently be measured or visibly accessed. Furthermore, there may be other existing penetrations found following soft/MEP strip that may have to be filled to maintain the fire lines.

All BWICs to be marked up on site and approved by Purcell prior to any works being undertaken.
Schedule to be read in conjunction with the BWIC Setting Out Drawing series OTH-PUR-TH-ZZ-DWG-A-2500 to 2600, the C20 specification OTH-PUR-TH-ZZ-SPE-A-0332, Setting out Principles document OTH-PUR-XX-XX-RPT-A-0119 and Complex Setting Out Document OTH-PUR-XX-XX-RPT-A-0124

Refer to the Arup fire stopping informaiton for requirements for dampers and other firestopping information - this dictates how some of the services are to be installed

Refer to Ramboll information for methodologies and details of structural BWIC (does not include temporary works which is contractor design element)

The revision column notes BWICs that have been revised as part of this and previous issues and a description of revision

This schedule does not list BWICs to new floors/partitions for services (Types 11 and 12), these are captured within schedule OTH-PUR-TH-ZZ-SCH-A-5808 which is not at Ready for construction status at this time of this issue

This schedule contains only level LG information. It was originally a part of the document OTH-PUR-TH-ZZ-SCH-A-5810, which contains BWIC information for the rest of the building, but split out at Lendlease request to aid division of works between Contractors

BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-001-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01g	LG-001	60		1271	274	700	2900	No	
LG-001-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01k	LG-001	N/A		400	870	300	2000	No	
LG-004-BW01	LG	Type 18	Altered Window for services penetration	1	LG-004	EXTERNAL	N/A					1000	Yes	
LG-004-BW02	LG	Type 18	Altered Window for services penetration	1	LG-004	EXTERNAL	N/A					1000	Yes	
LG-004-BW03	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-005	LG-004	N/A					0	Yes	REV 03 (OTH-PUR-TH-LG-SCH-A-5810) 2020.02.05 Altered Item: New Alteration Reference assigned. Submitted for LBC as duplicate reference LG-004-BW01
LG-005-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-004	LG-005	N/A		700	600	300	3075	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Width & height update following Arup construction issue
LG-005-BW02	LG	Type 18	Altered Window for services penetration	1	LG-005	EXTERNAL	N/A					1000	Yes	
LG-005-BW03	LG	Type 18	Altered Window for services penetration	1	LG-005	EXTERNAL	N/A					1000	Yes	
LG-005a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-004b	LG-005a	90		716	686	400	3032	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered item: BWIC repositioned following Ramboll comments coordination, services need to be rerouted
LG-005a-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-004b	LG-005a	90	-200mm dia. hole through structural composite slab required.				3032	No	REV (OTH-PUR-TH-LG-SCH-A-5812) 2020.09.11 Removed item: BWIC removed following Ramboll comments coordination (in line with LG-005a-BW01 relocation)
LG-006-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-R03	LG-006	30		700	1220	400	3032	No	
LG-006-BW02	LG	Type 9	Through Fan Light	1	LG-C01	LG-006	30					2500	Yes	

BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-006-BW03	LG	Type 6	Wall Penetration under 1500mm	1	LG-C01	LG-006	30		990	750	200	3260	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.XX New item: Change following Arup construction issue, Ramboll to confirm a lintel can fit
LG-006a-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-005	LG-006a	30					0	Yes	
LG-006b-BW01	LG	Type 9	Through Fan Light	1	LG-C01	LG-006b	30					2500	Yes	
LG-006b-BW03	LG	Type 9	Through Fan Light	1	LG-C01	LG-006b	30	proprietary firestopping product selected by ARUP for high level temporary AV cabling				2350	Yes	
LG-006b-BW04	LG	Type 9	Through Fan Light	1	LG-C01	LG-006b	30					2350	Yes	
LG-007-BW01	LG	Type 9	Through Fan Light	1	LG-C01	LG-007	30					2450	Yes	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-007-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01	LG-007	30		1000	1445	200	2450	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Width update following Arup construction issue
LG-007-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-007	EXTERNAL	N/A		622	1193	300	2100	No	
LG-008-BW01	LG	Type 8	Wall Penetration over 3500mm	1	LG-007	LG-008	90	Drill from heritage store (high level) through to behind metal grided fixed furniture, allow for power and data supply and adaptation to metalwork grill for access				3200	No	
LG-008a-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution Varied Sizes	1	LG-009a	LG-010a	N/A					0	Yes	REV 03 (OTH-PUR-TH-LG-SCH-A-5810) 2020.02.10 New BWIC added.
LG-009a-BW01	LG	Type 18	Altered Window for services penetration	1	LG-009a	EXTERNAL	N/A					1100	Yes	
LG-009a-BW02	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution Varied Sizes	1	LG-009a	LG-010a	N/A					0	Yes	REV 03 (OTH-PUR-TH-LG-SCH-A-5810) 2020.02.10 New BWIC added.
LG-009a-BW03	LG	Type 18	Altered Window for services penetration	1	LG-009a	EXTERNAL	N/A					1100	Yes	
LG-009a-BW04	LG	Type 18	Altered Window for services penetration	1	LG-009a	EXTERNAL	N/A					1100	Yes	
LG-010-BW01	LG	Type 9	Through Fan Light	1	LG-C01	LG-010	30					2500	Yes	
LG-011a-BW01	LG	Type 18	Altered Window for services penetration	1	LG-011a	EXTERNAL	N/A					1100	Yes	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-011a-BW02	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution Varied Sizes	1	LG-010a	LG-011a	N/A					0	Yes	REV 03 (OTH-PUR-TH-LG-SCH-A-5810) 2020.01.27 Altered Item: BWIC size increased from LBC
LG-012-BW01	LG	Type 18	Altered Window for services penetration	1	LG-012	EXTERNAL	N/A					1100	Yes	
LG-012-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-012	LG-012	90		872	160	200	2700	No	
LG-012-BW04	LG	Type 18	Altered Window for services penetration	1	LG-012	EXTERNAL	N/A					2253	Yes	
LG-012-BW05	LG	Type 18	Altered Window for services penetration	1	LG-012	EXTERNAL	N/A					1306	Yes	
LG-012-BW06	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-012	EXTERNAL	N/A		173	205	350	2735	No	
LG-012-BW07	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-012	LG-012	90		1582	300	200	2700	No	
LG-012a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-012	LG-012a	30		411	220	200	3200	No	
LG-013-BW01	LG	Type 8	Wall Penetration over 3500mm	1	LG-012	LG-013	N/A	Core drilled at 200mm diameter				3200	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered Item: BWIC size reduced following Ramboll comments coordination. Core drilled at 200mm diameter
LG-015-BW01	LG	Type 9	Through Fan Light	1	LG-C01n	LG-015	90	BWIC within structural arched opening				2600	Yes	
LG-015-BW02	LG	Type 18	Altered Window for services penetration	1	LG-015	EXTERNAL	N/A					1150	Yes	
LG-015-BW03	LG	Type 18	Altered Window for services penetration	1	LG-015	EXTERNAL	N/A					1150	Yes	
LG-016-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-015	LG-016	N/A					0	Yes	
~~LG-016-BW02~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-015~~	~~LG-016~~	~~-~~	~~-~~	~~499~~	~~667~~	~~400~~	~~2600~~	~~No~~	~~REV (OTH-PUR-TH-LG-SCH-A-5812) 2020.09.11 Removed item: BWIC removed~~
LG-016-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02a	LG-016	60	BWIC within structural arched opening	1000	1572	400	2600	No	
LG-016-BW04	LG	Type 6	Wall Penetration under 1500mm	1	LG-015	LG-016	N/A		600	800	400	650	No	
LG-016-BW05	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-015	LG-016	N/A		1400	667	600	2900	No	
LG-016-BW06	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-015	LG-016	N/A		400	667	400	2028	No	
LG-016-BW07	LG	Type 18	Altered Window for services penetration	1	LG-016	EXTERNAL	N/A					1150	Yes	
LG-016-BW08	LG	Type 18	Altered Window for services penetration	1	LG-016	EXTERNAL	N/A					1150	Yes	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-017-BW01	LG	Type 18	Altered Window for services penetration	1	LG-017	EXTERNAL	N/A					1150	Yes	
LG-017-BW02	LG	Type 18	Altered Window for services penetration	1	LG-017	EXTERNAL	N/A					1150	Yes	
LG-017-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02c	LG-017	120		350	886	350	2600	No	
LG-017-BW04	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-016	LG-017	120					0	Yes	REV 03 (OTH-PUR-TH-LG-SCH-A-5810) 2020.02.05 Altered Item: New Alteration Reference assigned. Submitted for LBC as duplicate reference LG-017-BW02
LG-018-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-017	LG-018	120					0	Yes	
LG-018-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02	LG-018	60		750	450	400	2645	No	
LG-019-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-018	LG-019	N/A					0	Yes	
LG-019-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02	LG-019	60	BWIC within structural arched opening	280	1600	400	2600	No	
LG-020-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-019	LG-020	N/A					0	Yes	
LG-020a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02	LG-020a	60		800	1600	400	2600	No	
LG-020a-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-019	LG-020a	N/A	BWIC within structural arched opening	500	296	250	2600	No	
LG-021-BW01	LG	Type 13	BWH. Perimeter Mansory wall, often widening existing penetrations (below 1500mm) to run primary distribution - 510x380	1	LG-020	LG-021	N/A					0	Yes	
LG-021a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02	LG-021a	60		250	1593	500	2600	No	
LG-021a-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-020a	LG-021a	N/A	BWIC within structural arched opening	500	278	250	2600	No	
LG-024-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-021a	LG-024		BWIC within structural arched opening	500	617	250	2600	No	
LG-024a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-021	LG-024a	N/A		100	200	100	2600	Yes	
LG-024a-BW02	LG	Type 17	Opening in Existing/Moat Wall	1	LG-021a	LG-024		Existing incoming water point in external wall	1074	441	250	1100	Yes	
LG-025-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-025	EXTERNAL	N/A		420	200	230	2750	No	
LG-025-BW02	LG	Type 18	Altered Window for services penetration	1	LG-025	EXTERNAL	N/A					2400	Yes	
LG-025-BW03	LG	Type 18	Altered Window for services penetration	1	LG-025	EXTERNAL	N/A					1600	Yes	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-025-BW04	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-024	LG-025	60		1150	245	300	2600	No	
LG-026-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-025	LG-026	N/A	BWIC within structural arched opening	1731	200	600	2645	No	
LG-027-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-026	LG-027	120	BWIC within structural arched opening	2300	600	325	2575	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-027a-BW01	LG	Type 18	Altered Window for services penetration	1	LG-027a	EXTERNAL	N/A					1100	Yes	
LG-027a-BW02	LG	Type 18	Altered Window for services penetration	1	LG-027a	EXTERNAL	N/A					1100	Yes	
LG-027b-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-027a	LG-027b	N/A	BWIC within structural arched opening	1400	400	500	2645	No	
LG-027b-BW02	LG	Type 18	Altered Window for services penetration	1	LG-027b	EXTERNAL	N/A					1100	Yes	
LG-027b-BW03	LG	Type 18	Altered Window for services penetration	1	LG-027b	EXTERNAL	N/A					1100	Yes	
LG-027c-BW01	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-027	LG-027c	N/A		449	1105	1325	0	No	
LG-028-BW01	LG	Type 17	Opening in Existing/Moat Wall	1	LG-028	EXTERNAL	N/A		497	400	400	800	No	
LG-028-BW02	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-027c	LG-028	N/A		449	715	1325	0	No	
LG-028a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-027c	LG-028a	120	BWIC within structural arched opening	1293	749	600	2600	No	
LG-028a-BW02	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-C03	LG-028a	60	2no openings 50mm x 20mm with a separation of min. 100mm				0	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-028b-BW01	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-027b	LG-028b	N/A		458	877	1325	0	No	
LG-028b-BW02	LG	Type 17	Opening in Existing/Moat Wall	1	LG-028b	EXTERNAL	120	Existing incoming ENWL utilities point to be reused	366	1266	500	1900	Yes	
LG-028b-BW03	LG	Type 17	Opening in Existing/Moat Wall	1	LG-028b	EXTERNAL	120	New incoming power point from below external FFL through masonry wall	380	1254	500	1900	No	
~~LG-028b-BW04~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-027b~~	~~LG-028b~~	~~120~~	~~BWIC within structural arched opening~~	~~1293~~	~~749~~	~~600~~	~~2600~~	~~No~~	~~REV 04 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.06.09 Altered Item: BWIC removed, services penetration no longer required~~
LG-028e-BW01	LG	Type 18	Altered Window for services penetration	1	LG-028e	EXTERNAL	N/A	Historic window which ahs since been filled in to be altered to become louvred opening ventilating plant rooms				1100	Yes	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-028e-BW02	LG	Type 18	Altered Window for services penetration	1	LG-028e	EXTERNAL	N/A	Historic window which ahs since been filled in to be altered to become louvred opening ventilating plant rooms				1100	Yes	
LG-028f-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-028g	LG-028f	N/A		1010	135	300	2000	Yes	
LG-028g-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-028	LG-028g	N/A		1010	584	300	2000	Yes	
LG-030-BW01	LG	Type 4	Opening in structural composite floor	1	LG-030	LG-029	30		1500	200	500	3395	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 New item: Change following entrances coordination with Arup and specialist consultant
LG-030-BW02	LG	Type 4	Opening in structural composite floor	1	LG-030	LG-C03b	120		1500	200	500	3395	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 New item: Change following entrances coordination with Arup and specialist consultant
LG-032a-BW01	LG	Type 18	Altered Window for services penetration	1	LG-032a	EXTERNAL	N/A					1200	Yes	
LG-034-BW01	LG	Type 6	Wall Penetration under 1500mm	1	LG-C04b	LG-034	N/A		500	281	200	1700	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered item: BWIC size reduced following Ramboll comments coordination
LG-036-BW01	LG	Type 6	Wall Penetration under 1500mm	1	LG-036a	LG-036	90		382	799	400	2500	No	
LG-036a-BW01	LG	Type 18	Altered Window for services penetration	1	LG-036a	EXTERNAL	N/A					1100	Yes	
LG-036a-BW02	LG	Type 18	Altered Window for services penetration	1	LG-036a	EXTERNAL	N/A					1100	Yes	
LG-036a-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-034	LG-036a	90	BWIC within structural arched opening	3720	522	800	2100	No	
LG-038b-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-035	LG-038b	N/A		2730	575	1000	2600	No	
LG-039-BW01	LG	Type 6	Wall Penetration under 1500mm	1	LG-039	EXTERNAL	120		545	1130	250	70	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 New item: Change to align with service route
LG-043-BW01	LG	Type 18	Altered Window for services penetration	1	LG-043	EXTERNAL	N/A					1000	Yes	
LG-043b-BW01	LG	Type 9	Through Fan Light	1	LG-C01	LG-043b	120					3100	Yes	
LG-043c-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-043	LG-043c	N/A		477	1052	300	2100	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered item: BWIC repositioned to a higher level following Ramboll comments coordination
LG-043d-BW01	LG	Type 9	Through Fan Light	1	LG-C01	LG-C043d	N/A					2300	Yes	
~~LG-046a-BW01~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-C05g~~	~~LG-046a~~	~~N/A~~	~~-~~	~~547~~	~~384~~	~~200~~	~~2900~~	~~No~~	~~REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Removed item: BWIC no longer required following coordination with Arup~~
LG-046b-BW01	LG	Type 18	Altered Window for services penetration	1	LG-046b	EXTERNAL	N/A					2600	Yes	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-046d-BW01	LG	Type 18	Altered Window for services penetration	1	LG-046d	EXTERNAL	N/A					2600	Yes	
LG-046e-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05	LG-046e	90		597	400	275	2925	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out and fire rating update following Arup construction issue
LG-046e-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05	LG-046e	90	Separate core drills (all below 200mm) preferable for 3no domestic pipes				3300	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 New item: 200mm Core drill added following Arup construction issue
LG-053-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05e	LG-053	60		850	400	300	3100	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-053-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05e	LG-053	60		500	400	500	2750	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-053-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05e	LG-053	60		500	400	500	2750	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-053-BW04	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05e	LG-053	60		400	416	200	3200	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered item: BWIC size reduced following Ramboll comments coordination
LG-054-BW01	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	EXTERNAL	LG-054	N/A		627	772	400	0	Yes	
LG-054-BW02	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	EXTERNAL	LG-054	N/A		627	1128	400	0	Yes	
LG-054-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-R26	LG-054	90		368	1000	600	2600	No	
LG-054-BW04	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-R26	LG-054	90		500	1434	600	2600	No	
LG-054-BW05	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-R26	LG-054	90		500	373	600	2600	No	
LG-054-BW06	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-057b	LG-054	N/A		876	710	600	2850	No	
LG-054-BW07	LG	Type 9	Through Fan Light	1	LG-054	EXTERNAL	N/A					2600	Yes	
LG-054-BW08	LG	Type 18	Altered Window for services penetration	1	LG-054	EXTERNAL	N/A					1000	Yes	
LG-054-BW09	LG	Type 18	Altered Window for services penetration	1	LG-054	EXTERNAL	N/A					1000	Yes	
LG-056-BW01	LG	Type 6	Wall Penetration under 1500mm	1	LG-C05a	LG-056	60		168	676	300	0	No	
LG-056-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-R23	LG-056	90		300	1000	600	2600	No	
LG-056-BW03	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-R23	LG-056	N/A		323	1010	800	0	No	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-057-BW01	LG	Type 18	Altered Window for services penetration	1	LG-057	EXTERNAL	N/A	Existing door to be replaced with full sized louvred opening				0	Yes	
LG-057-BW02	LG	Type 18	Altered Window for services penetration	1	LG-057	EXTERNAL	N/A	Use openings of existing fan light to be louvred for ventilation				2600	Yes	
LG-057a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-057a	EXTERNAL	N/A	Existing stonework to be reused and altered to widen the door, BWIC to be created over door as part of works	363	930	500	2600	Yes	
LG-057a-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-S15	LG-057a	90	Existing stonework to be reused and altered to widen the door, BWIC to be created over door as part of works	327	743	400	600	No	
LG-057a-BW03	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-S15	LG-057a			759	1010	800	0	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered Item: New alteration reference assigned. Submitted for LBC as duplicate reference LG-057a-BW02
LG-057b-BW01	LG	Type 9	Through Fan Light	1	LG-057b	EXTERNAL	N/A					2600	Yes	
LG-058-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-038	LG-058	120		2159	367	650	2600	No	REV 04 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.06.09 New Item: BWIC not submitted in LBC application
LG-058-BW02	LG	Type 6	Wall Penetration under 1500mm	1	LG-058	EXTERNAL	120		545	1130	250	70	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 New item: Change to align with service route
LG-C01-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01g	LG-C01	30		1799	362	800	2700	No	
LG-C01-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01g	LG-C01	30		750	409	600	2700	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered item: BWIC size reduced following Ramboll comments coordination to a 750mm wide opening
LG-C01d-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-039	LG-C01d	120		2776	319	750	2900	No	
LG-C01e-BW01	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-039	LG-C01e	120	Angled Drill from above cornice to riser for fire detector cables				0	No	
LG-C01e-BW02	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-C01e	EXTERNAL						2450	Yes	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 New item: Change following Arup construction issue
LG-C01g-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01k	LG-C01g	60		100	1494	500	2500	No	
LG-C01g-BW02	LG	Type 18	Altered Window for services penetration	1	LG-C01k	LG-C01g	60	-				2500	Yes	REV 04 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.06.09 Altered Item: BWIC removed, services penetration no longer required
LG-C01g-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01g	LG-C01g	60		1201	287	300	2500	No	
LG-C01i-BW01	LG	Type 8	Wall Penetration over 3500mm	1	LG-C01	LG-C01i	30	-	820	306	600	3000	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Removed item: BWIC no longer required following Ramboll comments coordination



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
~~LG-C01k-BW01~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-C01e~~	~~LG-C01k~~	~~N/A~~	~~-~~	~~1100~~	~~1143~~	~~500~~	~~2500~~	~~No~~	~~REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Removed Item: BWIC removed, services penetration no longer required following RTA~~
LG-C01l-BW01	LG	Type 9	Through Fan Light	1	LG-C01	LG-C01l	N/A					2300	Yes	
LG-C01l-BW02	LG	Type 9	Through Fan Light	1	LG-C01	LG-C01l	N/A	proprietary firestopping product selected by ARUP for high level temporary AV cabling				2300	Yes	
LG-C01m-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01n	LG-C01m	90		269	973	300	2400	No	
~~LG-C01n-BW01~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-011a~~	~~LG-C01n~~	~~90~~	~~-~~	~~563~~	~~581~~	~~300~~	~~2200~~	~~No~~	~~REV 04 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.06.09 Altered Item: BWIC removed, services penetration no longer required~~
LG-C01n-BW02	LG	Type 9	Through Fan Light	1	LG-011	LG-C01n	30					2600	Yes	
LG-C01n-BW03	LG	Type 9	Through Fan Light	1	LG-C01	LG-C01n	90					2600	Yes	
LG-C01n-BW04	LG	Type 9	Through Fan Light	1	LG-C01	LG-C01n	90					2600	Yes	
LG-C01n-BW05	LG	Type 9	Through Fan Light	1	LG-011	LG-C01n	90					2700	Yes	
LG-C01n-BW06	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-011	LG-C01n	90	BWIC within structural arched opening	563	904	300	2400	No	
LG-C02-BW01	LG	Type 14	Drill through masonry wall and surface finishes to run minute cabling in more significant spaces	1	EXTERNAL	LG-C02	N/A					2000	Yes	
LG-C02-BW02	LG	Type 9	Through Fan Light	1	EXTERNAL	LG-C02	N/A	Using damaged pane BWIC passing through fan light over door for domestic water, single pipe up to toilets				2500	Yes	
LG-C02-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02b	LG-C02	120		2692	376	1000	2600	No	
LG-C02-BW04	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02	LG-C02	N/A	Protect and retain fireplace insitu, BWIC at high level only	1282	1458	1075	2525	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Height update following Arup construction issue
LG-C02-BW05	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-C02	EXTERNAL	30	2no openings 50mm x 20mm with a separation of min. 100mm				0	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-C02-BW06	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-C02	EXTERNAL	N/A	Heritage windows, metal mullions and transoms to remain intact, top two panes removed to allow for services distribution				2750	No	
LG-C02-BW07	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-C02	EXTERNAL	N/A	Heritage windows, metal mullions and transoms to remain intact, top two panes removed to allow for services distribution				2750	No	
LG-C02a-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01n	LG-C02a	90		2400	495	1000	2600	No	
LG-C02b-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02b	LG-C02b	N/A		466	1519	500	2400	No	
LG-C02b-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02a	LG-C02b	120		2400	400	1000	2600	No	
LG-C02c-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02b	LG-C02c	120		750	886	350	2600	No	



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-C03-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C02	LG-C03	30		1774	500	1000	2200	No	
LG-C03-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-028	LG-C03	120		775	1000	500	2700	No	
LG-C03-BW03	LG	Type 9	Through Fan Light	1	LG-028	LG-C03	60	BWIC within pointed arch fan light				2300	Yes	
LG-C03d-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C03c	LG-C03d	60		450	600	200	3100	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Width and setting out update following Arup construction issue
LG-C04-BW01	LG	Type 9	Through Fan Light	1	LG-C04	EXTERNAL	N/A					2700	Yes	
LG-C04-BW02	LG	Type 8	Wall Penetration over 3500mm	1	LG-C03	LG-C04	30		2684	438	1200	2600	No	
LG-C04-BW04	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-C04	EXTERNAL	N/A	Heritage windows, metal mullions and transoms to remain intact, top two panes removed to allow for services distribution				2700	No	
LG-C04-BW05	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-C04	EXTERNAL	N/A	Heritage windows, metal mullions and transoms to remain intact, top two panes removed to allow for services distribution				2700	No	
LG-C04b-BW01	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-C04b	EXTERNAL	N/A					1200	No	
LG-C05-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C05e	LG-C05	90		535	664	200	3200	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Fire rating updated following Arup construction issue
LG-C05e-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-046	LG-C05e	N/A		950	400	350	3100	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-C05e-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-046	LG-C05e	N/A		1100	400	500	2750	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
LG-C05e-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-046	LG-C05e	N/A		400	400	400	2800	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Size, setting out updated following Arup construction issue
~~LG-C05g-BW01~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-046~~	~~LG-C05g~~	~~N/A~~	~~-~~	~~535~~	~~444~~	~~200~~	~~2900~~	~~No~~	~~REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Removed item: BWIC no longer required following coordination with Arup~~
~~LG-C05g-BW02~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-046~~	~~LG-C05g~~	~~N/A~~	~~-~~	~~535~~	~~444~~	~~200~~	~~2900~~	~~No~~	~~REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Removed item: BWIC no longer required following coordination with Arup~~
~~LG-C05g-BW03~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-046~~	~~LG-C05g~~	~~N/A~~	~~-~~	~~535~~	~~444~~	~~200~~	~~2900~~	~~No~~	~~REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Removed item: BWIC no longer required following coordination with Arup~~



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
LG-C05g-BW04	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-046	LG-C05g	90		535	444	200	2900	No	REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Altered item: Fire rating updated following Arup construction issue
LG-ES-BW01	LG	Type 17	Opening in Existing/Moat Wall	1	ALBERT SQU MOAT WALL	ALBERT SQU MOAT WALL			650	619	750	0	No	
LG-ES-BW02	LG	Type 17	Opening in Existing/Moat Wall	1	ALBERT SQU MOAT WALL	ALBERT SQU MOAT WALL			650	619	750	0	No	
LG-ES-BW03	LG	Type 17	Opening in Existing/Moat Wall	1	ALBERT SQU MOAT WALL	ALBERT SQU MOAT WALL			650	515	750	0	No	
LG-ES-BW04	LG	Type 17	Opening in Existing/Moat Wall	1	ALBERT SQU MOAT WALL	ALBERT SQU MOAT WALL			650	515	750	0	No	
LG-ES-BW05	LG	Type 17	Opening in Existing/Moat Wall	1	ALBERT SQU MOAT WALL	ALBERT SQU MOAT WALL			650	515	750	0	No	
LG-L01-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01d	LG-L01	120		760	550	300	2900	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered Item: BWIC size reduced following Ramboll comments coordination by splitting it into 2no smaller BWICs (LG-L01-BW01 and BW02)
LG-L01-BW02	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01d	LG-L01	120		765	550	300	2900	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered Item: BWIC size reduced following Ramboll comments coordination by splitting it into 2no smaller BWICs (LG-L01-BW01 and BW02)
LG-L05-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-CO3c	LG-L05	60		229	593	200	2400	No	
LG-L05-BW02	LG	Type 15	Adaptation to existing window to allow penetration of services externally	1	LG-L05	EXTERNAL	N/A	New dry riser route to be coordinated with new access opening in former window				2200	No	
LG-L05-BW03	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-L05	EXTERNAL	N/A	Alteration to former blocked-up window to allow access into moat				500	No	
LG-L07-BW01	LG	Type 9	Through Fan Light	1	LG-C03b	LG-L07	60					2000	Yes	
LG-R21-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-059	LG-R21	120		215	281	220	3200	No	
LG-R23-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-054	LG-R23	90		368	750	600	2600	No	
LG-R26-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-053	LG-R26	90		500	627	600	2600	No	
LG-S05-BW01	LG	Type 9	Through Fan Light	1	LG-C01n	LG-S05	90	BWIC within structural arched opening				2600	Yes	
LG-S05-BW02	LG	Type 6	Wall Penetration under 1500mm	1	LG-014	LG-S05	90	-	400	575	150	1000	No	REV 04 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.06.09 Altered Item: BWIC removed, services penetration no longer required
LG-S10-BW01	LG	Type 7	Wall Penetration over 1500mm under 3500mm	1	LG-C01	LG-S10	60		1058	780	300	2900	No	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered item: BWIC size reduced following Ramboll comments coordination



BWIC Number	Level	BWIC Type	BWIC Type Description	Quantity in Room	Room 1	Room 2	Fire Rating	Comments	Approx. Depth	Approx. Width	Approx. Height	Approx. Offset above FFL	Existing Opening	Revision Date
~~LG-S10-BW02~~	~~LG~~	~~Type 7~~	~~Wall Penetration over 1500mm under 3500mm~~	~~1~~	~~LG-C01g~~	~~LG-S10~~	~~60~~	~~-~~	~~810~~	~~755~~	~~300~~	~~2900~~	~~No~~	~~REV 04 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.06.09 Altered Item: BWIC removed, services penetration no longer required~~
LG-S15-BW01	LG	Type 9	Through Fan Light	1	LG-S15	EXTERNAL	N/A	Existing stonework to be reused and altered to widen the door, BWIC to be created over door as part of works				2600	Yes	REV 05 (OTH-PUR-TH-ZZ-SCH-A-5810) 2020.07.24 Altered Item: BWIC size reduced following RTA
LG-S15-BW02	LG	Type 10	Opening to masonry wall, below FFL (which will require alterations to neighbouring finishes to access)	1	LG-056	LG-S15	N/A		360	1010	800	0	No	
~~LG-S10-BW03~~	~~LG~~	~~Type 11~~	~~Through Proposed Wall~~	~~1~~	~~LG-040~~	~~LG-S10~~	~~60~~	~~BWIC penetrating proposed fabric following Arup comments. BWIC will change to Type 11 and will continue to be tracked in schedule 5808 with next revision~~	~~700~~	~~627~~	~~700~~	~~50~~	~~No~~	~~REV 01 (OTH-PUR-TH-LG-SCH-A-5812) 2020.10.09 Removed item:- BWIC Type, size, setting out updated following Arup comments. Now scheduled in OTH-PUR-TH-ZZ-SCH-A-5808~~