

### M&E Builderswork Schedule at Ground Floor Slab

Kitchen Ventilation Supply & Extract		
Kitchen ventilation will be provided by ventilation risers combining both supply and extract ducts rising from Lower Ground Floor to overhead canopy. This will be either 2, 3 OR 4 riser locations dependent on final kitchen layout. Hole size required as follows:		
Qty	Size	Note
2	1600x 1100 mm	2 No. supply & 2 No. extract Total area = 3.52m <sup>2</sup> <b>OR</b>
3	1400 x 900 mm	3 No. supply & 3 No. extract Total area = 3.78m <sup>2</sup> <b>OR</b>
4	1200 x 700 mm	4 No. supply & 4 No. extract Total area = 3.36m <sup>2</sup>

Kitchen Area		
Qty	Size	Note
3	100 Ø	Gas pipe penetrations
10	125 Ø	Drainage pipe penetrations
7	150 Ø	Water pipe penetrations
2	100 Ø	Electric pipe penetrations

Pot Wash Area		
Qty	Size	Note
2	400 Ø	Ventilation pipe penetration
3	125 Ø	Drainage pipe penetrations
3	75 Ø	Refrigeration pipe penetrations
3	150 Ø	Water pipe penetrations
1	100 Ø	Electric pipe penetrations

Bar Area		
Qty	Size	Note
2	125 Ø	Drainage pipe penetrations
2	150 Ø	Water pipe penetrations
1	75 Ø	Electric pipe penetrations

Restaurant Toilets		
Qty	Size	Note
2	350 Ø	Ventilation pipe penetration
4	125 Ø	Drainage pipe penetrations
4	150 Ø	Water pipe penetrations
1	75 Ø	Electrical pipe penetrations

Glass Wash/ Staff Rooms		
Qty	Size	Note
3	150 Ø	Water pipe penetrations
2	75 Ø	Electrical pipe penetrations

Restaurant Seating Area		
Qty	Size	Note
10	250 Ø	Ventilation pipe penetration

PDR Walls		
Qty	Size	Note
16	200 Ø	Ventilation pipe penetration

### M&E Build Work Schedule at Lower Ground Floor Slab

Pot Wash Area		
Qty	Size	Note
2	350 Ø	Ventilation pipe penetration
1	125 Ø	Drainage pipe penetrations
1	150 Ø	Water pipe penetrations
1	100 Ø	Gas pipe penetrations
1	150 Ø	Electric pipe penetrations

All dimensions to be checked on site.  
Figured dimensions to be read in preference to scaled.  
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Notes

Service Key


Proposed penetration zone from Lower Ground Floor for kitchen ventilation. Ventilation supply unit to MBE detail & specification. Maximum number or size of holes as Built Work Schedule. New structural support to hole as Structural Engineer's Drawing 15-256-19115-SK1 & SK2. Maximum of 4 penetration points along this service zone. Water / Gas / Drainage penetration at weather.

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New Pipe Service routes - Group routes within 100-150mm core drill holes for each service. Approx positions shown

- Hot water route. Supply and return
- Cold water route
- Gas route
- Ventilation run SUPPLY
- Ventilation run EXTRACT
- Drainage route

Proposed extract outlet route at Lower Ground Floor, connected to proposed Louvre on external elevation at high level within window set.

 Existing supply intake route at Lower Ground Floor, set within existing window set. Louvre colour black

**A** Kitchen extract drop and supply rise ducts through slab. Ducts to duct run at high level of lower ground floor. Connected to Louvres set into window sets. See Builderswork elevations

**B** through slab. Ductwork to rise and run in freestanding linear or local flooding blackheads details over cockline.

**C** Supply Route KITCHEN

**D** Extract Route KITCHEN

**E** Purlins extract crop and supply raw ducts through slab.

**F** Supply Route POTWASH

Hot F+R / Cold Water and Drainage drop.

Ground Floor for secondary local circulation routes. Drain drop to gravity collection or pumped pipe run at high level Lower Ground Floor to nearest soil pipe location

**K** WC extract drop ducts through slab. Ducts to duct run at high level of lower ground floor.

**L** New Drain drop connection into basement level below. Approx. 150 core drill hole - final position TBC

**N** New Water and Gas main feeds from Basement below. Approx 150 core drill holes - final position TBC

**General Note:**

The passage of pipes, ventilation's ducts, service cables, appliance ventilation ducts and ducts encasing one or more flue pipes through existing walls & floors to have the provision of fire-stopping between nine

All holes >300 Ø to have structural re-inforcing work as per Structural Engineers Drawing 15-256-191115-SK1 & SK2.

15.041-L(05)100, 15.041-L(05)101,  
15.041-L(31)100 & M&E drawings

NOTE - NEW RESTAURANT LAYOUT SHOWN AS INDICATIVE TO SHOW RELEVANCE OF NEW SERVICE

LAYOUT IS SUBJECT TO FINAL LAYOUT DESIGN.

PLANNING

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1 236 446  
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Scale 1:100 & 1:50	Drawn SF	Checked CT	Date 23/11/15
Job number 15.041	Drawing number L(50)100	Issue P03	

**Brock Carmichael Architects** 