Malmaison Manchester Pearl Assurance House

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ELECTRICAL SERVICES LEGEND

V1.06

ELECTRICAL ANNOTATION KEY

0.00 / XXX / XX
- SCHEDULE ITEM NO.
- GP = SUGGESTED GENERAL PURPOSE / CONVENIENCE OUTLET
- CL = SUGGESTED CLEANERS OUTLET
- OUTLET HEIGHT (MM) FROM FFL (TO UNDERSIDE OF BACKBOX)
- IP = WATERPROOF OUTLET
- #T = # METRE TAILS LEFT AT THIS POINT FOR WIRING INTO APPLIANCE CONTROL PANEL / MCB
- VMCB = ELECTRICS VIA COUNTER MCB
- CH = OUTLET HEIGHT INDICATIVE ONLY. TO BE LOCATED ABOVE CEILING

SYMBOL KEY

PLAN	ELEVATION	
		13AMP SWITCHED SOCKET OUTLET
2I		13AMP TWIN SWITCHED SOCKET OUTLET
		13AMP SWITCHED SOCKET OUTLET *WITH INTEGRATED TWIN USB PORT*
		13AMP UNSWITCHED SOCKET OUTLET
		13AMP SWITCHED FUSED SPUR
		13AMP UNSWITCHED FUSED SPUR
		ROTARY ISOLATOR
		COMMANDO STYLE OUTLET *TO BE SUPPLIED WITH CORRESPONDING PLUG*
		CABLE OUTLET
D		TWIN DATA OUTLET
		TELEPHONE OUTLET
		FIRE ALARM INTERFACE
		ANSUL FIRE SUPPRESSION REMOTE PULL ACTUATION
		NOBEL FIRE SUPPRESSION REMOTE ACTUATION
		ROLLER SHUTTER KEY SWITCH
		E-STOP *SUGGESTED LOCATION(S)*

MECHANICAL SERVICES LEGEND

V1.07

WASTE ANNOTATION KEY

0.00 / XXX / XX
- SCHEDULE ITEM NO.
- WD = SUGGESTED WASHDOWN GULLY
- TERMINATION HEIGHT FROM FFL
- HT = HIGH TEMPERATURE WASTE WATER DISCHARGE. 70°C MAXIMUM RECOMMENDED
- T = TRAPPED WASTE OUTLET
- TG = WASTE OUTLET TRAPPED BELOW GROUND
- VGT - "WASTE OUTLET VIA GREASETRAP
- VDP = WASTE OUTLET VIA DRAIN PUMP

**ONLY FOR PURPOSE OF IDENTIFICATION WHEN GREASETRAPS SHOWN ON DRAWING*

WATER ANNOTATION KEY

0.00 / XXX
- SCHEDULE ITEM NO.
- TERMINATION HEIGHT FROM FFL

WATER PIPE DROPS SUGGESTED LOCATIONS

GAS ANNOTATION KEY

0.00 / XXX / XX
- SCHEDULE ITEM NO.
- TERMINATION HEIGHT FROM FFL
- CONNECTION SIZE

GAS PIPE DROPS SUGGESTED LOCATIONS

SYMBOL KEY

PLAN	ELEVATION	
	HOT / FLOW	HOT WATER WITH SUITABLE VALVE *ARROW DENOTES VALVE DIRECTION*
	COLD / FLOW	COLD WATER WITH SUITABLE VALVE *ARROW DENOTES VALVE DIRECTION*
		WASTE OUTLET
		WASTE OUTLET TRAPPED ABOVE GROUND
		WASTE OUTLET TRAPPED BELOW GROUND
		TRAPPED FLOOR GULLY 110mm WASTE OUTLET WITH GRATING *STYLE MAY VARY ACCORDING TO FLOOR STRUCTURE/FINISH*
		POPUP DRAIN

GENERAL NOTES V1.02

All equipment to be earth bonded by electrical contractor as required.

Please ensure that no trunking, pipes etc hinder the correct positioning of s/s benches & shelves against the walls.

Contractor to confirm that walls will be suitable for fixing brackets to shelves and wall mounted equipment in the positions shown.

Certain tall appliances such as upright refrigeration and combination oven filtration hoods may require minimum clearances above for proper operation. If the ceiling height is less than 2700mm or any ductwork/bulkheads exists below 2700mm please contact Vision Commercial Kitchens Ltd.

Where solid fuel or flame cooking appliances are shown, contractor to ensure that any nearby walls are constructed from Class "O" non-combustible structural and material finishes.

All services to be brought to the positions indicated and terminated with suitable stop cocks and isolators etc.

All gas and water cocks to be fitted in accessible positions.

All service positions are approximate and contractors should check these on site with Vision Commercial Kitchens Ltd.

Clients should check if any additional 13 amp sockets are required. Minimum door width for equipment entry is 900mm.

Commando Style Outlets to be provided with corresponding commando style plugs.

18th edition of BS7671, requires RCD protection on sockets rated up to 32 amp including commando sockets.

WATER NOTES V1.01

All water supplies to be in accordance with water authority regulations and local water authority regulations. e.g. a commercial dishwasher is a class 1 risk and its water supply should be in accordance Water supply reg.1999 fluid Cat. 4 or 5 dependant on application.

Maximum incoming temperature cannot exceed 55°c

2 Bar Minimum Water Pressure Required at each connection To Accommodate Equipment Requirements.

EXTRACTION & AIR INPUT NOTES V1.01

All fans to be wired in 3 core and earth unless otherwise specified.

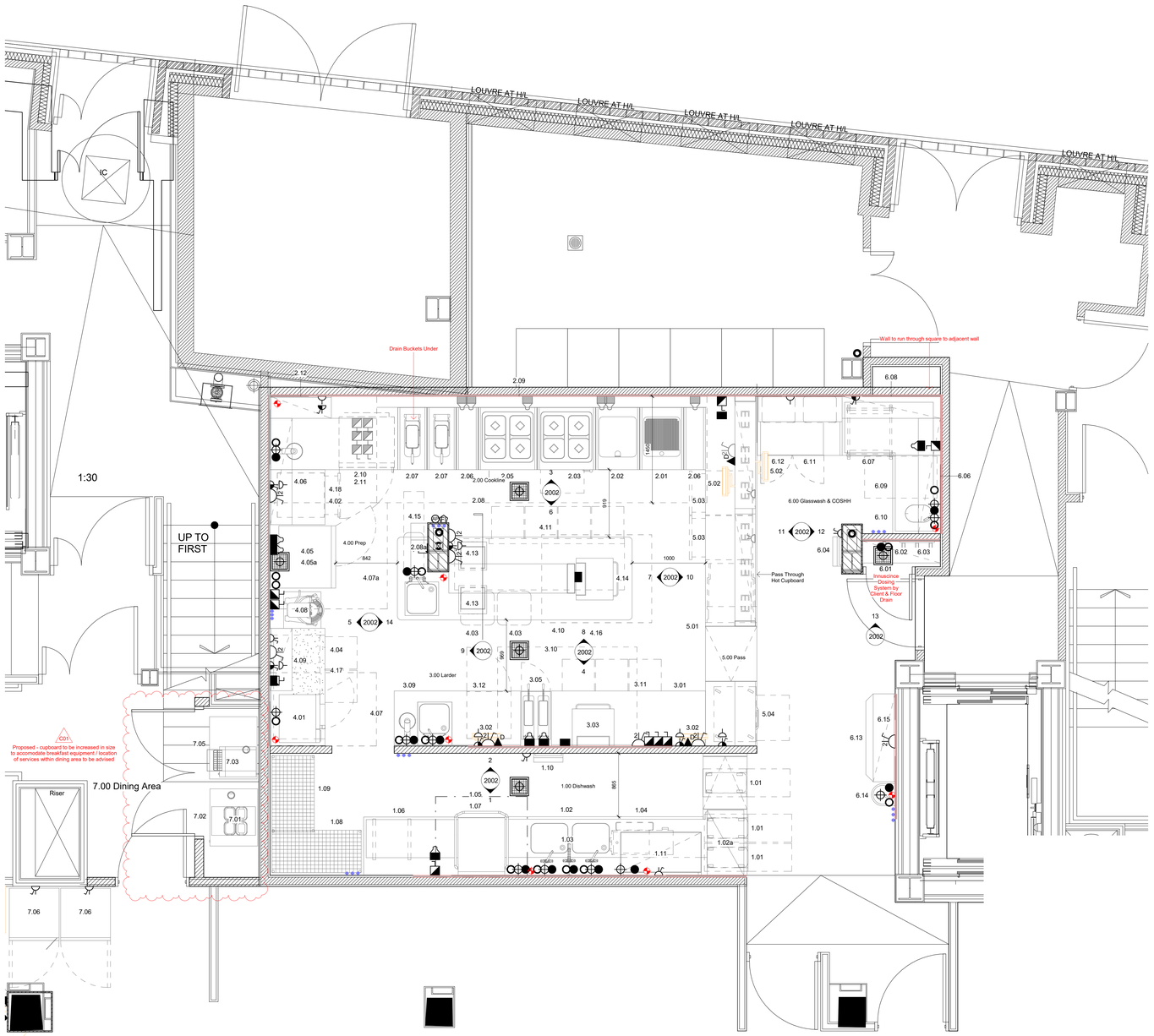
Position of extraction fan & ductwork to be determined on site. Electrical contractor to allow for wiring and connecting the starter to the fan.

Electrical contractor to allow for electrical supply to lights in canopy (minimum cable specification within the canopy is BICC INTEMP 250 1.5mm sq). To be switched within the main lighting circuit.

In accordance with BS-6173-2001 mandatory interlocks are required between the gas supply and the mechanical kitchen ventilation system (extraction and input fans)

GENERAL VENTILATION NOTES V1.01

Where a ventilation canopy is located, note the canopy ONLY deals with the equipment located under the canopy and DOES NOT include for general ventilation to the kitchen or ancillary areas. HVAC / M&E Contractor to refer to DW172 (2018) for details.



1 Ground Floor Kitchen

1 : 25

Equipment Schedule Ground Floor

Item Number	Qty	Description	Status	Electrical kW Each	Electrical kW Total	Electrical Phase (N+E)	Electrical Remarks	Mechanical Gas kW Each	Mechanical Gas kW Total	Mechanical Remarks	Plumbing Water Hot Size	Plumbing Water Cold Size	Plumbing Waste Size	Plumbing Waste Flow	Plumbing Remarks
1.00 Dishwash															
1.01	3	Rubbermaid 60L Slim Waste Bin on Dolly			0.00				0						
1.02	2	Dishwash Table			0.00				0						
1.02a	1	Overshelf, Single Tier			0.00				0						
1.02b	2	Tap, Single Pedestal			0.00				0		15 mm	15 mm			
1.03	1	Spare Number			0.00				0						
1.03	1	Pre-Rinse Spray Arm			0.00				0		15 mm	15 mm			
1.04	1	Grease Trap		0.60	0.60	1			0		22 mm		50 mm		
1.05	1	Dishwasher, Hood Type, Pass-Thru		12.68	12.68	3			0		22 mm	22 mm	38 mm	0.4 L/s	
1.06	1	Dishwash Table c/w Bank Runners			0.00				0						
1.07	1	Condense Canopy			0.00				0						
1.08	1	Shelving Unit, Insert System, 4 Tier			0.00				0						
1.09	1	Shelving Unit, Insert System, 4 Tier			0.00				0						
1.10	1	Fly Killer / Glueboard		0.04	0.04	1	2 x 15W Bulbs		0						
1.11	1	Angled Basket Shelf			0.00				0						
					13.32				0						
2.00 Cookline															
2.01	1	Ribbed Griddle		7.20	7.20	3	3m tails wired to isolator within item 2.09		0						
2.02	1	Griddle		7.20	7.20	3	3m tails wired to isolator within item 2.09		0						
2.03	1	Induction Range with Oven Under		25.40	25.40	3	3m tails wired to isolator within item 2.09		0						
2.05	1	Induction Range		20.00	20.00	3	3m tails wired to isolator within item 2.09		0						
2.06	2	Range, Work Top			0.00				0						
2.07	2	Fryer		6.00	12.00	3	3m tails wired to isolator with item 2.09		0						
2.08	1	Ventilation Canopy, Wall Type			0.00		See Specialist Details. Canopy Lighting to connect to, and to be switched with main lighting circuit		0						See Specialist Details if required
2.09	1	Services distribution unit			0.00		Isolators/outlets pre wired within unit for cooking equipment		0						
2.10	1	Cantilever Worktop			0.00				0						
2.10a	1	Inset Hand Wash Basin			0.00				0				32 mm		
2.10b	1	Tap, Electronic & Battery Operated			0.00				0		15 mm	15 mm			
2.11	1	Blast Chiller Freezer, Reach-In		1.18	1.18	1			0						
2.12	2	Shelf, Wall Mounted			0.00				0						
					72.98				0						
3.00 Larder															
3.01	1	Cantilever Worktop			0.00				0						
3.02	2	POS Display Screen	By Others	0.10	0.20	1	Data Required		0						
3.03	1	Grill, Electric (Salamander)		4.50	4.50	3			0						
3.05	1	Fryer		15.00	15.00	3	2 x 7.5kW Supplies		0						
3.06	1	Spare Number			0.00				0						
3.07	1	Spare Number			0.00				0						
3.09	1	Cantilever Worktop			0.00				0						
3.09a	1	Sink 400x400x300mm deep weld in bowl			0.00				0				38 mm		
3.09b	1	Tap, Double Pedestal			0.00				0		15 mm	15 mm			
3.09c	1	Inset Hand Wash Basin			0.00				0				32 mm		
3.09d	1	Tap, Electronic & Battery Operated			0.00				0		15 mm	15 mm			
3.10	1	Ventilation Canopy, Wall Type			0.00		See Specialist Details. Canopy Lighting to connect to, and to be switched with main lighting circuit		0						See Specialist Details if required
3.11	1	Three Section Refrigerated Drawer Counter		0.31	0.31	1			0						
3.12	1	Freezer, Undercounter		0.50	0.50	1			0						
					20.51				0						
4.00 Prep															
2.08a	1	Fire Suppression System			0.00		Interlock required to shut down Electric & Gas cooking appliances upon Actuation. Fire Alarm Interface required. All Interlock & Interface connection by others.		0						
4.01	1	Compact Combi Oven		5.70	5.70	3			0			15 mm	38 mm	0.7 L/s	High Temperature Waste
4.02	1	Cantilever Worktop			0.00				0						
4.03	1	Linen Trolley			0.00				0						
4.04	1	Cantilever Worktop			0.00				0						
4.05	1	Electrical Combi-steamer 10 x 1/1 GN		18.90	18.90	3			0			22 mm	50 mm		High Temperature Waste
4.05a	1	Electrical Combi-steamer 6 x 1/1 GN		10.80	10.80	3			0			22 mm	50 mm		High Temperature Waste
4.06	2	Shelf, Wall Mounted			0.00				0						
4.07	1	Ventilation Canopy, Wall Type			0.00		See Specialist Details. Canopy Lighting to connect to, and to be switched with main lighting circuit		0						See Specialist Details if required
4.07a	1	Ventilation Canopy, Wall Type			0.00		See Specialist Details. Canopy Lighting to connect to, and to be switched with main lighting circuit		0						See Specialist Details if required
4.08	1	Food Mixer, 20 Litre		0.25	0.25	1	Requires Motor rated breaker		0						
4.09	2	Shelf, Wall Mounted			0.00				0						
4.10	1	Island Prep Unit			0.00				0						
4.10a	1	Sink 400x400x300mm deep weld in bowl			0.00				0				38 mm		
4.10b	1	Tap, Double Pedestal			0.00				0		15 mm	15 mm			
4.11	1	Four Section Refrigerated Counter		1.50	1.50	1			0						
4.12	1	Spare Number			0.00				0						
4.13	2	Vacuum Packaging Machine		0.15	0.30	1			0						
4.14	1	Grill, Electric (Salamander)		4.50	4.50	3			0						
4.15	1	Rubbermaid 60L Slim Waste Bin			0.00				0						
4.16	1	Ventilation Canopy, Wall Type			0.00		See Specialist Details. Canopy Lighting to connect to, and to be switched with main lighting circuit		0						See Specialist Details if required
4.17	1	Two Section Refrigerated Drawer Counter		0.43	0.43	1			0						
4.18	1	Refrigerator, Undercounter, 3 Drawers		0.21	0.21	1			0						
					42.59				0						
5.00 Pass															
5.01	1	Pass Unit		11.20	11.20	3	20A Three Phase Supply / 5m tails wired to counter MCB		0						
5.02	2	POS Display Screen	By Others		0.00	1	Socket via Item 5.01 MCB / Data Required		0						
5.03	2	Refrigerator, Undercounter, 3 Drawers			0.00	1	Socket via Item 5.01 MCB		0						
5.04	1	Drawer Warmer		0.90	0.90	1			0						
					12.10				0						
6.00 Glasswash & COSHH															
6.01	1	Wall Mounted Tap			0.00				0		15 mm	15 mm			
6.02	1	Shelf, Wall Mounted			0.00				0						
6.03	1	Mop Holder / Organiser			0.00				0						
6.04	1	Fly Killer / Glueboard		0.04	0.04	1	2 x 15W Bulbs		0						
6.05a	1	Sink 230x360x160mm deep weld in bowl			0.00				0				38 mm		
6.05b	1	Tap, Single Pedestal			0.00				0		15 mm	15 mm			
6.06	1	Shelf, Wall Mounted			0.00				0						
6.07	1	Dishwasher Rack/Basket Trolley, 7 Tier			0.00				0						
6.08	1	Shelf, Wall Mounted			0.00				0						
6.09	1	Glasswasher, Undercounter		6.58	6.58	1			0			22 mm	38 mm		
6.10	2	Dishwash Table			0.00				0						
6.11	1	Room Service Unit			0.00				0						
6.12	1	Refrigerator, Undercounter		0.48	0.48	1			0						
6.13	1	Wall Bench			0.00				0						
6.14	1	Hand Wash Basin			0.00				0		15 mm	15 mm	32 mm		
6.15	2	Shelf, Wall Mounted			0.00				0						
					7.10				0						
7.00 Dining Area															
7.01	1	Bean to Cup Coffee Machine		2.20	2.20	1			0			15 mm	38 mm		Note: water and waste integral to the unit, external connections not required.
7.02	1	Mobile Coffee Unit			0.00				0						
7.03	1	Toaster		2.40	2.40	1			0						
7.04	1	Spare Number			0.00				0						
7.05	1	Mobile Unit			0.00				0						
7.06	2	Wine Cabinet		0.75	1.50	1			0						
					6.10				0						
Grand Totals (All totals are for the individual loadings detailed on this schedule only and may not allow for specialist items where noted or equipment by others. Loadings for convenience sockets etc. or any other equipment are excluded. All loadings are connected loads, no diversity has been applied.)					174.69				0						

rev	date	revision description	by	ch'd
C04	16/11/22	Canopies sizes to as fitted / minor mondifications to services.	MJD	CH
C03	04/08/22	Services Distribution unit detail updated	MJD	-
C02	20/07/22	2no. floor gullies omitted / Services spine detail added	MJD	JPS
C01	13/04/22	Construction Issue	MJD	JPS
P11	27/09/21	First Issue Services.	MJD	RIS
P10	15/07/21	As Noted	MJD	JPS
P09	24/06/21	Changes to pastry, larder fryer & dw pass omitted	MJD	JPS
P08	10/06/21	Fridge added to stills area / COSHH reduced / Combi ovens & Refrigeration changed	MJD	JPS
P07	20/05/21	Updated to latest Architect plans	MJD	JPS
P06	30/06/20	Updated to latest architect layout	MJD	JPS
P05	27/11/19	Updated to latest architects layout	MJD	JPS
P04	29/10/19	Cookline moved to wall & island prep added	MJD	JPS
P03	15/10/19	Kitchen in & out doors moved	MJD	JPS
P02	17/09/19	Kitchen area reduced & dumb waiters omitted	MJD	JPS
P01	10/06/19	Initial Design	MJD	JPS

PATTRESSING KEY

V1.00

PLYWOOD PATTRESS

REFER TO EQUIPMENT POSITIONS IN ELEVATION FOR PATTRESSING HEIGHTS. PATTRESSED TO BE MIN 100mm OVERSIZED

STATUS KEY

V1.01

- BY OTHERS
- EXISTING
- OPTIONAL
- FUTURE PURCHASE

NOTE WHERE APPLICABLE ONLY

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PRIOR TO THE APPOINTMENT OF THE OFFICIAL CDM / CO-ORDINATOR AND PRINCIPAL CONTRACTOR, THIS DRAWING IS ISSUED STRICTLY AS DESIGN INTENT ONLY

project name: Malmaison Manchester Pearl Assurance House

sheet name: Ground Floor Kitchen

architects / clients drawing reference: originator / title; drwg number / date / Rev:

VCK project no.: D460 | designed by: MJD | scale: As indicated | paper size: A0

drawing number: project - originator - volume - level - type - role - sheet: **D460-VCK-XX-00-DR-Y-1002**

suitability description: **CONSTRUCTION ISSUE**

revision: **C04** | revision description: **CONTRACTUAL**