Project Name

Chorlton Dark Kitchen

Project Description

Kitchen Vent

Client

CDS Wilman

Project Number

S01174

Project Address

Site Contact:

Mobile No:

Site Specific Notes:

Inox Contact Details

Designer: **Sam Derbyshire**

Email: **sam@inoxfabrications.com**

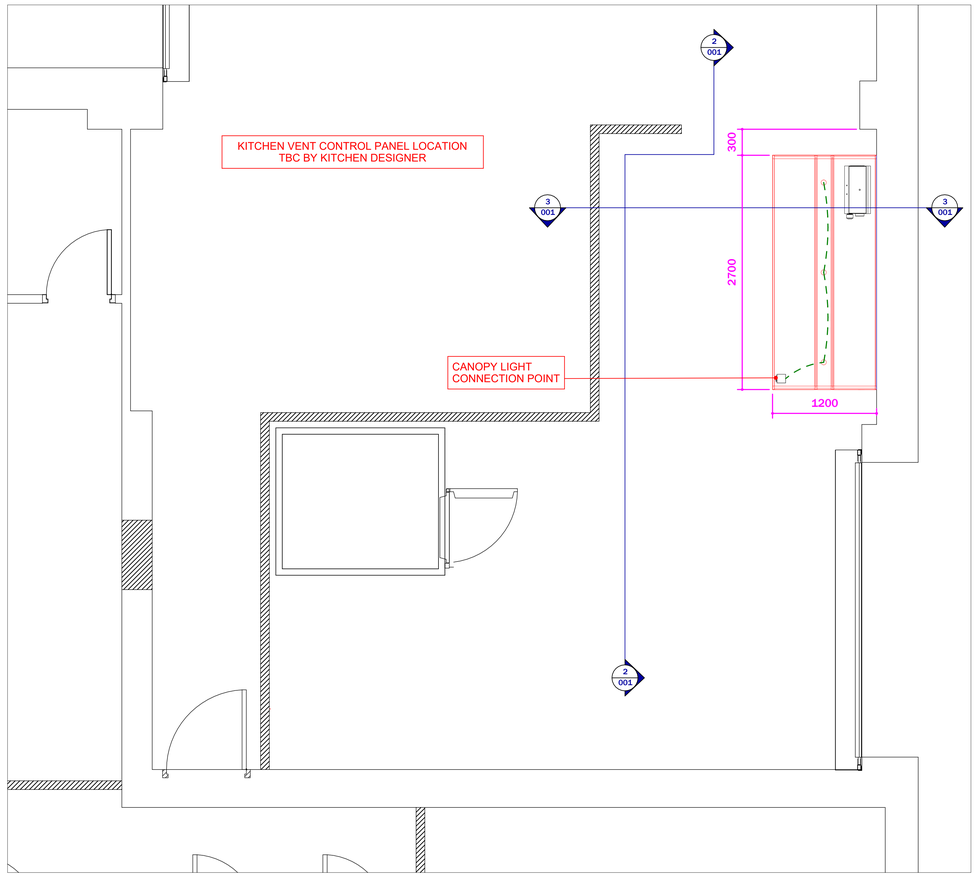
Mobile No:

Project Manager: George Lowthion

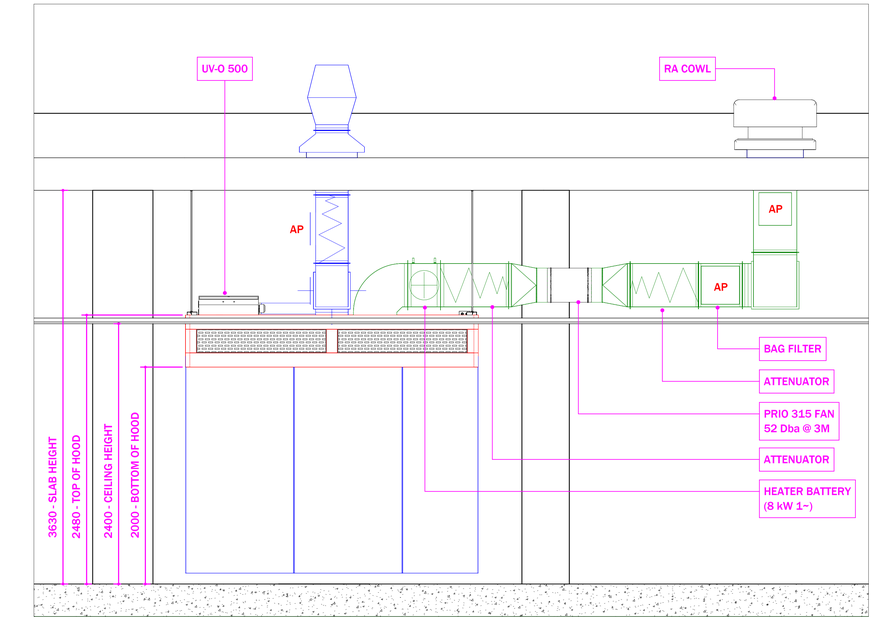
Email: george@inoxfabrications.com

Mobile No: 07485357631

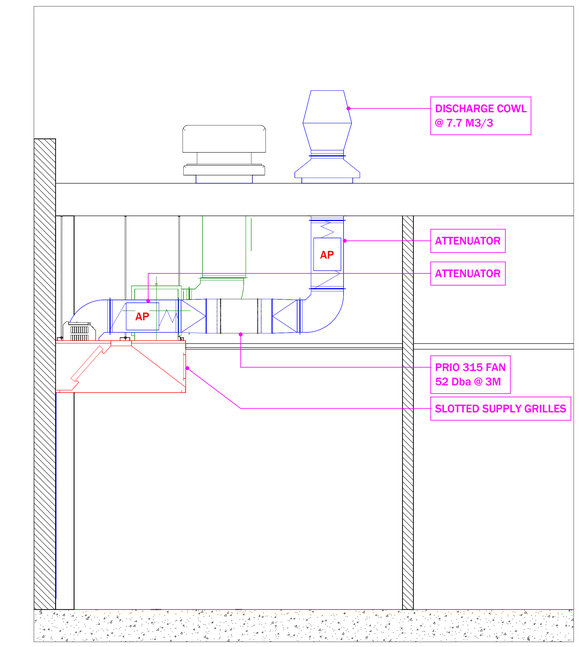
Revision Schedule			
Rev	**Description**	**Date**	**Issued to**
P01	**For Comment/Approval**	**02/09/26**	



1 KITCHEN VENT - PLAN
1 : 25



2 Section 1
1 : 20



3 Section 2
1 : 20

KEY	
	CANOPY HANGING POINT
	CANOPY LIGHT
	CANOPY LIGHT CONNECTION POINT
	GALVANIZED STEEL EXTRACT DUCT
	GALVANIZED STEEL SUPPLY AIR DUCT
	FIRE RATED EXTRACT DUCT
SJ	SITE JOINT
AP	ACCESS PANEL

NOTES

- ALL FIRST FIX AND SECOND FIX ELECTRICAL WORKS INCLUDING FIXING CONTROL PANELS AND FAN CONTROLS IN POSITION BY OTHERS.
- INOX HAS ONLY ALLLOWED FOR A FINAL CONTROL CHECK TO ENSURE SYSTEMS RUNS AS PER DESIGN.
- STAINLESS STEEL WALL CLADDING REQUIRES A FLAT DRY SURFACE FOR BONDING TO (FINISHED WALLS).
- HOOD IS MANUFACTURED TO SUIT A MAX SUSPENDED CEILING HEIGHT OF 2450mm. HIGHER CEILINGS WILL REQUIRED VALANCE TO TOP OF HOOD AT EXTRA COST.
- ALL HOODS ARE INSTALLED AT 2000mm FROM FINISHED FLOOR LEVEL.
- ALL HOODS ARE SUPPORTED FROM STRUCTURAL CEILING.
- ALL SERVICES MUST AVOID CANOPY HANGING POINTS.
- A MINIMUM CLEARANCE OF 1000mm AROUND THE HOOD MUST BE LEFT TO ALLOW ENGINEERS SAFE HIGH LEVEL ACCESS.
- INOX FABRICATIONS LTD DO NOT ALLOW FOR: PLANNING PERMISSIONS, BUILDING CONTROL CONSENT, FIRE OFFICER APPROVAL. ALL PARTS OF THE VENT DESIGN MUST BE APPROVED BT THE CORRECT BODY INCLUDING STRUCTURAL ENGINEERS, DESIGNERS AND ARCHITECTS.
- INOX DO NOT CO-ORDINATE ANY OTHER SERVICES.
- NO ALLOWANCE HAS BEEN MADE FOR: FIRE RATED DUCTING, TEMPERED AIR, CANOPY EMERGENCY LIGHTING, POWERED ACCESS EQUIPMENT, SECONDARY SUPPORT STEEL WORK, ROOF EDGE PROTECTION, ROOF ACCESS EQUIPMENT, KITCHEN AREA LIGHTING, ODOUR CONTROL, ELECTRICAL WORKS.

HOOD DETAILS

Item Number	Manufacturer	Description	Hood Length	Hood Depth	Front Hood Height	Hood Floor Offset	Hood Weight	Hood Notes
IFESW 1	Inox	Wall type extract and supply air hood	2700	1200	480	2000	90.72 kg	Bolt On Fronts

FILTERS

Item Number	Filter Manufacturer	Type of Filter	No of Filters	Filter Size
IFESW 1	Ecofleece	Baffle	9	500mm x 400mm

LIGHTS

Item Number	Light Manufacturer	Light Model	Number of Lights	Lights Volts	Lights Watts	Lights Amps	Lights Notes
IFESW 1	Scolmore	Nano Inceptor	3	230 V	14 W	3.000 A	Pre-wired to single connection point

CLADDING SCHEDULE

Item Number	Manufacturer	Cladding Length	Cladding Height	Cladding Floor Offset	Number of Cladding Sheets Required	Cladding Notes
REAR CLAD	Inox	2700	2000	100	2.7	Edge and flatten edges

EXTRACT VOLUME

Item Number	Extract Volume	Extract Pressure Drop	No of Extract Spigots	Extract Spigot Width	Extract Spigot Depth	Extract Spigot Velocity
IFESW 1	0.616 m^3/s	120.0 Pa	1	300	300	6.844 m/s

SUPPLY AIR VOLUME

Item Number	Supply Air Volume	Supply Air Pressure Drop	No of Supply Air Spigots	Supply Air Spigot Width	Supply Air Spigot Depth	Supply Air Spigot Velocity
IFESW 1	0.524 m^3/s	80.0 Pa	1	400	400	3.273 m/s

VENTILATION CANOPY FLOW RATE CALCULATION SHEET

Project: Chorlton Dark Kitchen — Job No: S01174 — Rev: P01

Drawing Ref: 1171651-CDS-XX-00-DR-Y-S2-12000-P03 - Proposed GA — Date: 28/08/2026

Equipment To Ventilated:

Item	Description	Width (mm)	Depth (mm)	Power	Area	TCC	Flow Rate
1	Wall Bench	300	815	N/A	0.24	0.05	0.0122
2	Chrome Griddle	900	650	Electric	0.59	0.4	0.2340
3	Deep Fat Fryer	600	650	Electric	0.39	0.45	0.1755
4	Chip Scuttle	600	650	Electric	0.39	0.15	0.0585
5	Refrigeration Unit	300	815	Electric	0.24	0.05	0.0122
						Theorectical extract volume required	0.4925
						Canopy Factor	1.25
						Extract Flow Rate M3/SEC	0.616
						Supply Flow Rate (85%) M3/SEC	0.523

The above calculation is to allow ventilation of equipment under the canopy only, it does not allow for general ventilation to the kitchen, and is based on DW/172 Extract Flow Rate Calculation Method 1.

ELECTRICAL DETAILS - EXTRACT FAN

MANUFACTUER	SYSTEM AIR
MODEL	prio 315 EC
ART No	#87795
VOLTAGE	230 V
FREQ	50 Hz
PHASE	1~
INPUT POWER	528 W
INPUT CURRENT	2.32 A
SOUND LEVEL	52Dba @ 3M
CONTROLLER	Catersense Panel

ELECTRICAL DETAILS - SUPPLY FAN

MANUFACTUER	SYSTEM AIR
MODEL	prio 315 EC
ART No	#87795
VOLTAGE	230 V
FREQ	50 Hz
PHASE	1~
INPUT POWER	528 W
INPUT CURRENT	2.32 A
SOUND LEVEL	52Dba @ 3M
CONTROLLER	Catersense Panel

ELECTRICAL DETAILS - UV-O 500

MANUFACTUER	PURIFIED AIR
MODEL	UV-O 500
VOLTAGE	230 V
FREQ	50 Hz
PHASE	1 ~
INPUT POWER	140 W
LOCATION	TOP OF HOOD

ELECTRICAL DETAILS - HEATER BATTERY

MANUFACTUER	NETAFAN
MODEL	TC-8
VOLTAGE	230 V
FREQ	50 Hz
PHASE	1 ~
INPUT POWER	8 kW
LOCATION	SUPPLY DUCTWORK

Rev	Description	Date
P01	For Comment/Approval	02/09/26

PROJECT NAME
Chorlton Dark Kitchen

PROJECT ADDRESS

TITLE
Kitchen Vent

CLIENT
CDS Wilman

PROJECT NUMBER
S01174

DRAWNING NUMBER
001

REV	SCALE (@A0)
P01	As indicated

DRAWN BY	CHECKED BY	DATE
SD	GL	02/09/26