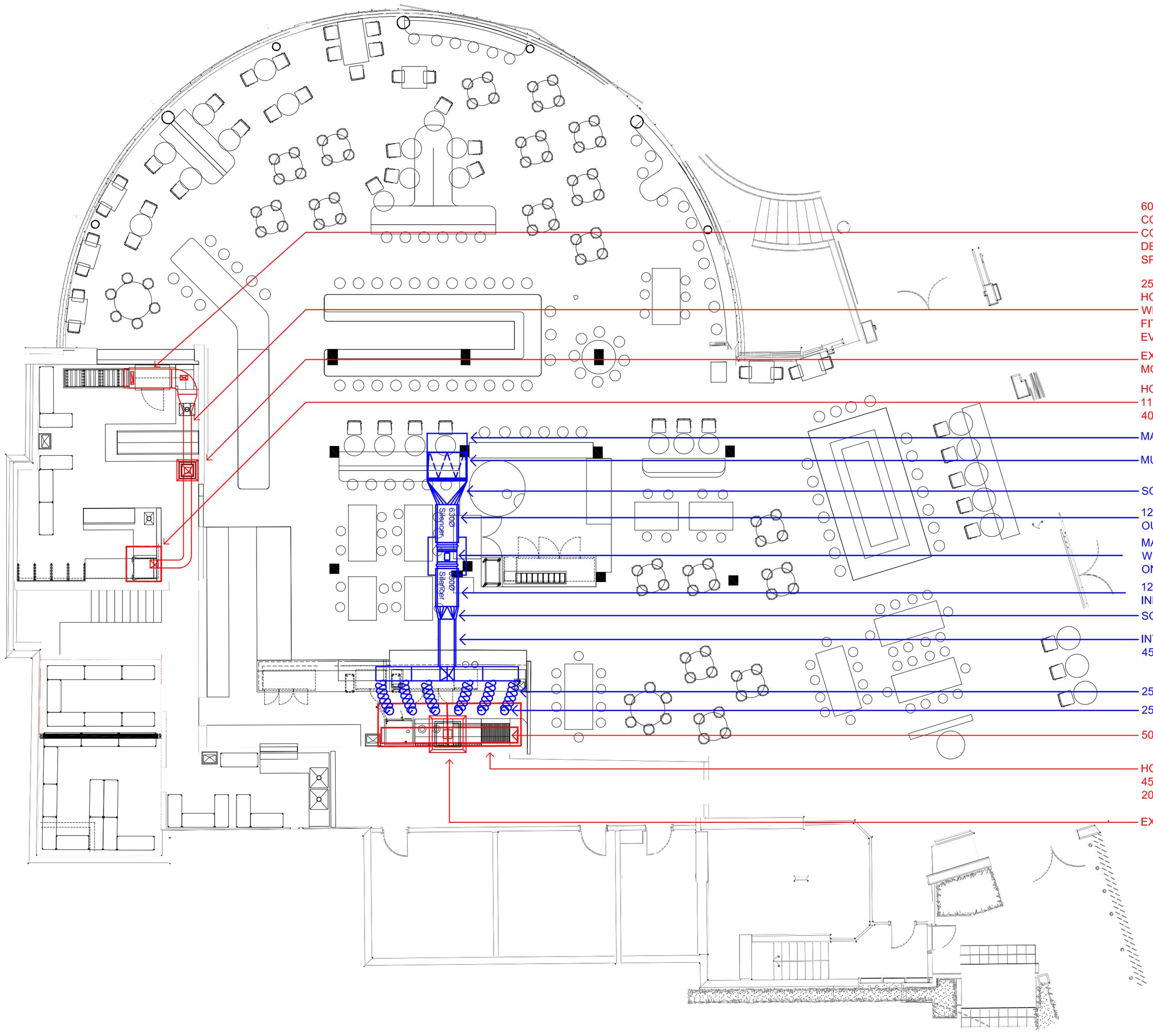
DESIGN TO BE FINALISED UPON SITE INSPECTION AND REVIEW OF EQUIPMENT SCHEDULE
ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH AS1668.2-2012



600x250 EXHAUST DUCTWORK FITTED WITH CONNECTION SPIGOTS TO DISHWASHER. CONNENCTION SPIGOTS SIZE TO BE DETERMINED BY MANUFACTURERS DESIGN SPECIFICATION

250x250 EXHAUST DUCTWORK - ALL HORIZONTAL DUCTWORK TO BE INSTALLED WITH 5° FALL BACK TOWARDS HOOD AND BE FITTED WITH DUCT MOUNTED ACCESS PANELS EVERY 3m OR CHANGE OF DIRECTION

EXHAUST MOTOR 2
MOUNTED ON TOP OF 350x350 RISER DUCTWORK

HOOD 2:
1100x1100x700
400 L/S

MAKE UP AIR INLET

MULTI PEAK FILTERS

SQUARE TO ROUND

1200 LONG 630Ø OPEN TYPE/UNPODDED OUTLET NOISE ATTUNUATOR

MAKE UP AIR MOTOR - FITTED EITHER SIDE WITH FLEXIBLE CONNECTIONS, MOUNTED ON ROOF PLATFORM

1200 LONG 630Ø OPEN TYPE/UNPODDED INLET NOISE ATTUNUATOR

SQUARE TO ROUND

INTERNALLY INSULATED MAKE UP AIR DUCTWORK. 450x450 INTERNAL OPENING OR EQUIVALENT

250Ø FLEXIBLE DUCTWORK

250Ø SPIGOTS

500x500 EXHAUST PLENUM OR EQUIVALENT

HOOD 1:
4500x1350x700
2000 L/S EXH / 1600 L/S MUA

EXHAUST MOTOR 1

NOTE:

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3. THE FAN MOTOR MUST BE PROVIDED WITH CURRENT OVERLOAD PROTECTION AND MUST ALSO BE PROVIDED WITH DIFFERENTIAL ACTION SINGLE PHASE PROTECTION, SUPPLIED BY OTHERS. IF THE ABOVE PROTECTIVE MEASURES ARE NOT TAKEN WARRANTY WILL BE VOID.
4. DESIGNED IN ACCORDANCE WITH AS1668-2 1991
5.

General Notes

No.	Revision/Issue	Date
1	FOR DISCUSSION	19/03/16

SPEEDY VENTILATION PTY LTD
A.B.N. 69 114 807 466
13 Moorlands Road
Ingleburn NSW 2565
PH: (02) 9829 8680
FAX: (02) 9829 8681
MOBILE: 0418 242312
EMAIL: speedy@speedyvent.com.au

Project Name and Address

Newport Arms Hotel
2 Kalinya Street,
Newport, NSW, 2106

Drawn By: Ryan Walsh	DRAWING No: 3886-01
Date: 19/03/16	
Scale: 1:100@A2	Sheet: 1 OF 3

A2

EXHAUST MOTOR 1 DETAIL

Performance - Required

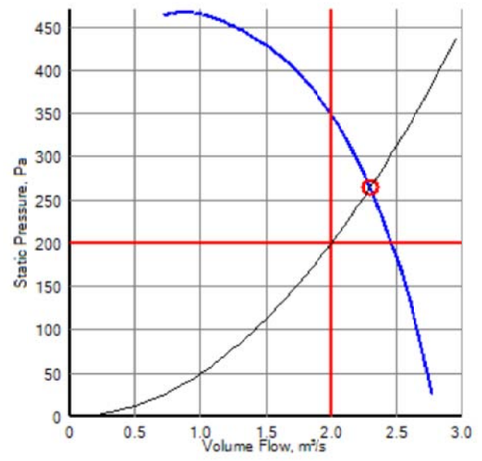
Air Flow:	2000 L/s
Static Pressure:	200 Pa
Selection Pressure:	200 Pa
Installation Type:	n/a
Air Density:	1.204 kg/m³
Atmos. Temp.:	20 °C
Altitude: m	0 m
Humidity:	0.0 %

Actual

Air Flow:	2301 L/s
Static Pressure:	265 Pa
Total Pressure:	265 Pa

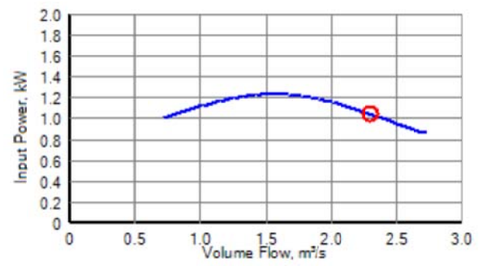
Fan Data

Catalogue Code:	CHD636		
Description:	Heritage Series		
Diameter:	630 mm		
Impeller Type:	Centrifugal		
Blade Material:	-		
Speed:	960 RPM	Running:	50 Hz
Power, Abs:	0.85	Peak:	1.00
Efficiency Total:	-	Static:	72.0%
Fan Weight:	78.0 kg		



Motor Data (at STP)

Motor Type:	
Electrical Supply:	415V 3ph 50Hz
Motor Frame:	D90L
Motor Power:	1.10kW
FLC/Start:	3.00A / 16.80A
Motor Speed:	6 pole
Motor Efficiency:	81.4%



Energy Efficiency, NCC/BCA Vol. 1, Table J5.2 compliant
- + 2006 - 2009
- + 2010 - 2012
- + 2013 - 2014

Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	89	90	85	75	73	71	69	69	93	61

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.

MAKE UP AIR MOTOR DETAIL

Performance - Required

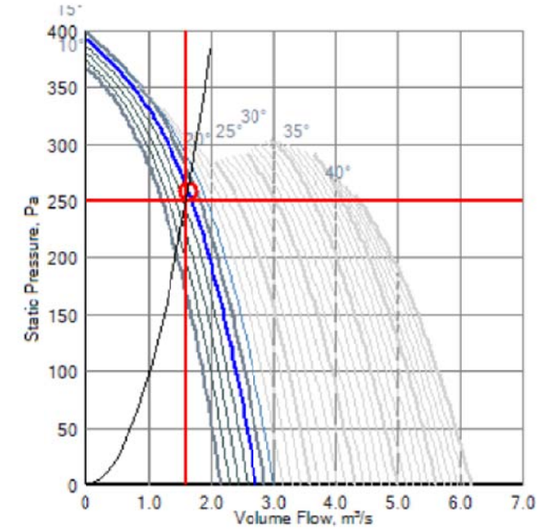
Air Flow:	1600 L/s
Static Pressure:	250 Pa
Selection Pressure:	250 Pa
Installation Type:	TYPE D
Air Density:	1.204 kg/m³
Atmos. Temp.:	20 °C
Altitude: m	0 m
Humidity:	0.0 %

Actual

Air Flow:	1629 L/s
Static Pressure:	259 Pa
Total Pressure:	276 Pa

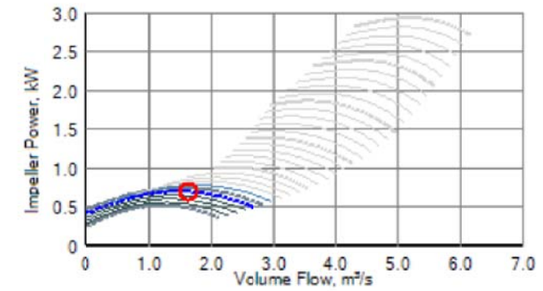
Fan Data

Catalogue Code:	AP0634AP10/14 (AP0634AP10B007)		
Description:	AP Series In-Line Direct Drive		
Diameter:	630 mm	Hub:	150 mm
Impeller Type:	Axial	Pitch:	14°
Blade Material:	GRP	Blades:	10
Speed:	1440 RPM	Running:	50 Hz
Power, Abs:	0.69	Peak:	0.70
Efficiency Total:	64.6%	Static:	60.8%
Fan Weight:	43.9 kg		



Motor Data (at STP)

Motor Type:	Standard	
Electrical Supply:	415V 3ph 50Hz	
Motor Frame:	D80	
Motor Power:	0.83kW (AOM)	(0.75kW IEC)
FLC/Start:	2.31A (AOM) / 12.60A	(2.10A FL IEC)
Motor Speed:	4 pole	
Motor Efficiency:	82.5%	



Energy Efficiency, NCC/BCA Vol. 1, Table J5.2 compliant
- + 2006 - 2009
- + 2010 - 2012
- + 2013 - 2014

Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	66	68	77	91	84	76	69	61	92	69
Outlet (dB):	76	78	84	88	84	79	74	63	91	68

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EXHAUST MOTOR 1 DETAIL

Performance - Required

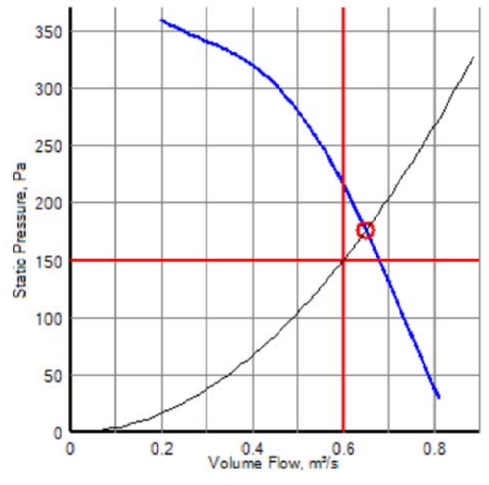
Air Flow:	600 L/s
Static Pressure:	150 Pa
Selection Pressure:	150 Pa
Installation Type:	n/a
Air Density:	1.204 kg/m³
Atmos. Temp.:	20 °C
Altitude: m	0 m
Humidity:	0.0 %

Actual

Air Flow:	650 L/s
Static Pressure:	176 Pa
Total Pressure:	176 Pa

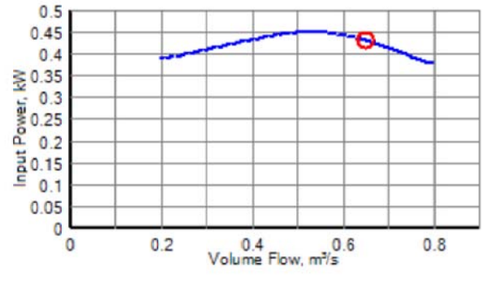
Fan Data

Catalogue Code:	CHD354		
Description:	Heritage Series		
Diameter:	350 mm		
Impeller Type:	Centrifugal		
Blade Material:	-		
Speed:	1440 RPM	Running:	50 Hz
Power, Abs:	0.30	Peak:	0.32
Efficiency Total:	-	Static:	37.8%
Fan Weight:	26.0 kg		



Motor Data (at STP)

Motor Type:	
Electrical Supply:	415V 3ph 50Hz
Motor Frame:	D80
Motor Power:	0.55kW
FLC/Start:	1.40A / 7.84A
Motor Speed:	4 pole
Motor Efficiency:	72.2%



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	80	78	74	71	62	64	63	53	83	52

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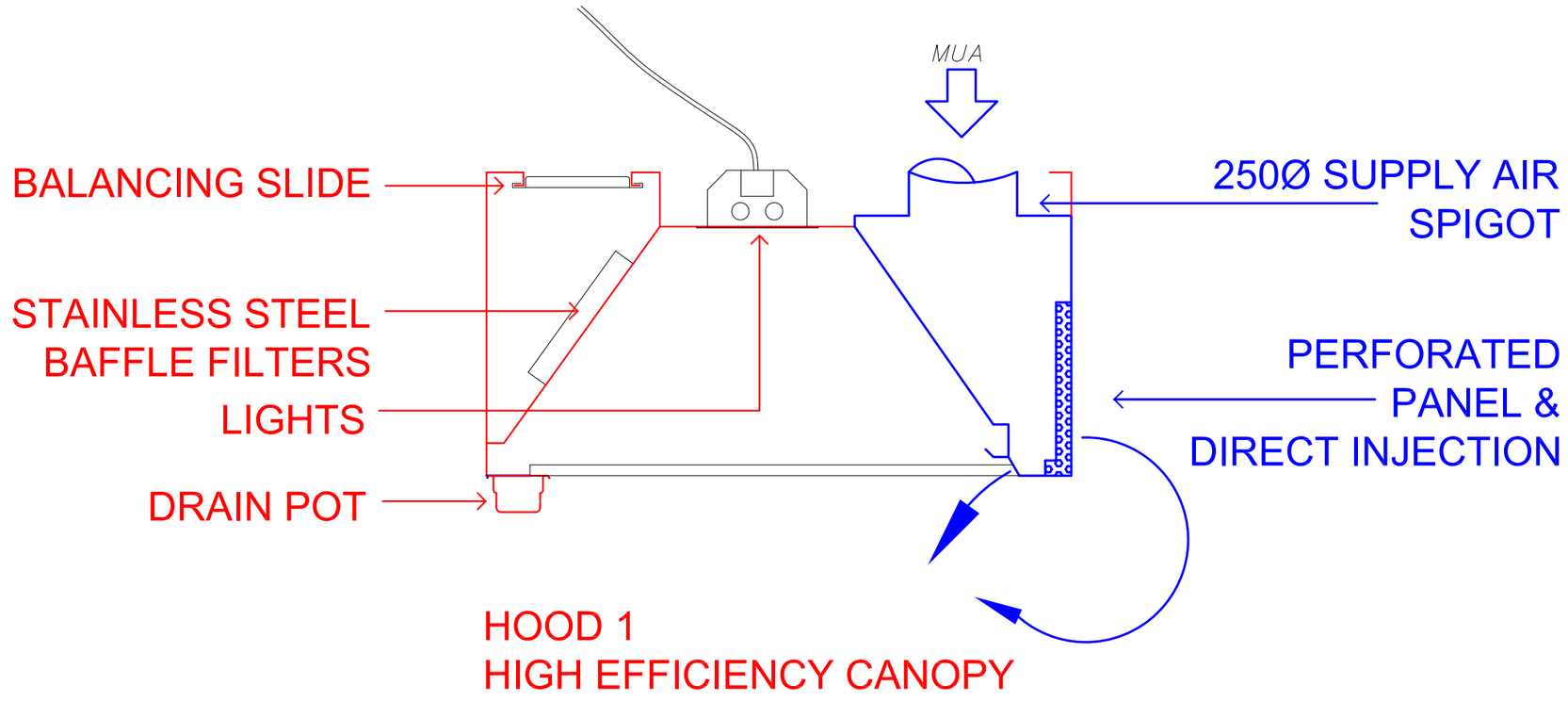
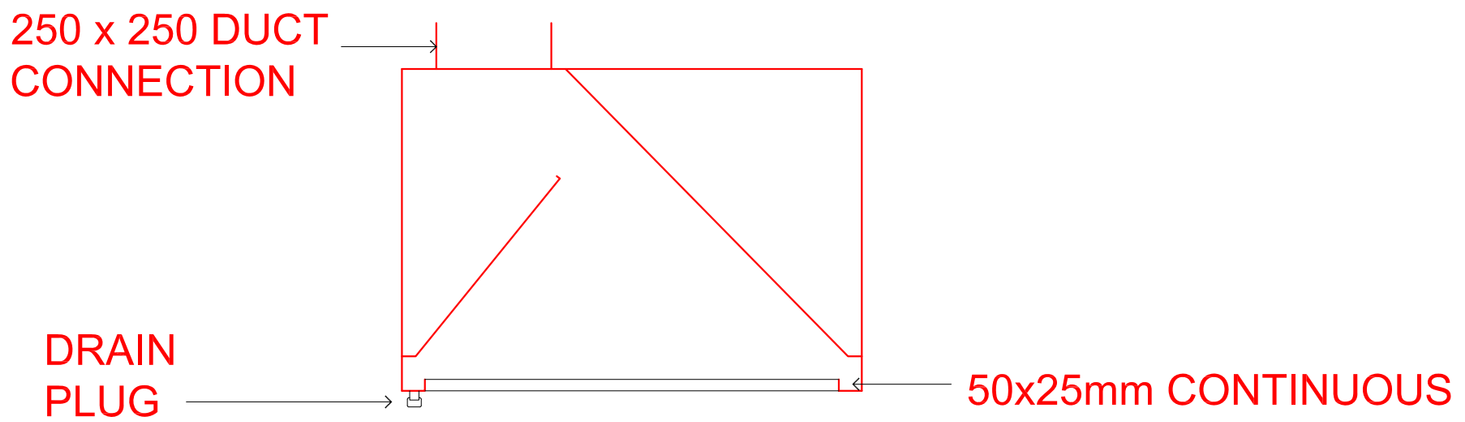


HOOD 1
HIGH EFFICIENCY CANOPY



HOOD 2
DISHWASHER CANOPY

TYPICAL HOOD DETAIL

CAT 5 CONNECTION BETWEEN CONTROL UNIT AND DISPLAY UNIT MAX. 6M LENGTH

DISPLAY UNIT

POSITION TO BE CONFIRMED (GENERALLY IN WORK AREA)

CONTROL UNIT
POSITION TO BE CONFIRMED
(GENERALLY IN SERVICE AREA)

SPEED CONTROLLER DETAIL

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