Tea/Coffee Making Area Extraction Hood

Ground Floor Café Zone Catering Ventilation

Canopy Extraction From Prep Area To External Terrace At The Rear Of The Building.

Extract Fan Unit

Flakt Woods 31Maxfan Compac
Rating - 0.9kW
Supply - 220-240V / 50Hz / 1Ph
Controller - Inverter
Starting Load - 18.7Amp
Full Load - 3.3Amp

Attenuation
1off ∅315 2D Silencer System Side Nr. - 12/15dBA
1off ∅315 2D Silencer Atmospheric Side Nr. - 12/15dBA

Installation Notes
Extract

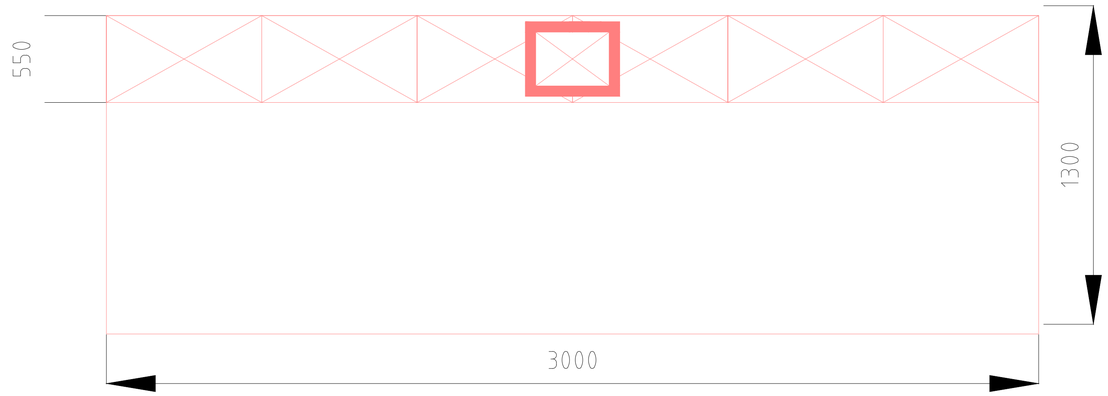
- Extract Air Flow Rate Calculated At 0.600 m^3/s
- Canopy To Be Supllied C/W 1 Off Extract Spigot Connections 250 x 250 x H100 mm, These Are Supplied Loose With Canopy For Installation At Time Of Hood.
- Anticipated Pressure Loss Across Extract 150Pa

Air Supply

- No Air Supply Required In This Area Due To Passive Vent.

Canopy Fabrication Notes

- To Be Manufactured In Fine Grain 304ST/ST
- To Be Supplied Complete With 6Off 500 x 500 mm
- To Be Fabricated Complete With 4Off LED Down Light Spotlights Inc. Flex Tail For Connection By Others.
- Approximate Canopy Weight 195 Kg's
- Canopy To Be Fabricated in 1Off Sections



This drawing was produced in AutoCAD, DO NOT change manually.
DO NOT scale from this drawing. The contractor must verify all site dimensions.

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Notes:

1. All HVAC installations shall comply with relevant standards including CIBSE guidelines, ASHRAE standards, and applicable local authority regulations.
2. The HVAC system shall be designed to maintain indoor environmental conditions in accordance with occupancy requirements, including temperature, humidity, and indoor air quality.
3. All equipment capacities indicated are preliminary; the contractor shall verify final selections based on detailed heat load calculations and manufacturer data.
4. Ductwork shall be constructed from galvanized steel or approved equivalent, designed and installed in accordance with DW/144 ductwork specification and sealed to the appropriate air leakage class.
5. All ducts shall be adequately supported, braced, and installed to avoid sagging, vibration, and noise transmission.
6. Thermal insulation shall be provided to ductwork, chilled water, and refrigerant piping as required to prevent heat gain/loss and condensation, in accordance with project specifications.
7. Fresh air ventilation rates shall comply with ASHRAE Standard 62.1 or local codes, whichever is more stringent.
8. Fire and smoke dampers shall be installed at all duct penetrations through fire-rated walls and slabs, in accordance with fire strategy requirements.
9. All mechanical equipment (AHUs, FCUs, fans, pumps, condensers) shall be mounted on suitable vibration isolation supports to minimize noise and structural transmission.
10. Condensate drain lines shall be provided from all cooling equipment and routed to suitable drainage points with appropriate traps and slopes.
11. Access doors shall be provided in ductwork for maintenance of dampers, sensors, and other in-line equipment.
12. System balancing shall be carried out upon completion to ensure design air and water flow rates are achieved.
13. All HVAC layouts shown are schematic; contractor shall coordinate exact routing with structural, architectural, and other MEP services on site.
14. Testing and commissioning shall be carried out in accordance with CIBSE Commissioning Code and relevant standards prior to handover.
15. As-built drawings and operation & maintenance manuals shall be submitted after installation for final approval.
16. Provision shall be made for future expansion where indicated, including spare capacity in ductwork and plant where applicable.
17. All equipment, ductwork, pipework, and control devices shall be clearly labeled in accordance with project standards and drawing legends.
18. Notes on drawings shall take precedence over standard symbols where discrepancies occur.

Revision:	Date:	Description:	Drawn:	Checked:
C1	19 05 26	Comment Issue.	E.S	C.M

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Project:
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Title:
Ground Floor Café
Proposed HVAC Canopy Spec

Drawing no:	Revision:
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Status: COMMENT ISSUE

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