|  |  |
| --- | --- |
| **CLIENT** | {{client\_name}} |
| **PROJECT NAME** | {{project\_name}} |
| **PROJECT NUMBER** | {{project\_number}} |
| **DATE OF VISIT** | {{date\_of\_visit}} |
| **ENGINEER(s)** | {{engineer\_name}} |

**{%if has\_marvel\_technology or has\_uv\_technology%}**

**Your Kitchen Ventilation System has the following serviceable technology:{%endif%}**

**{%if has\_marvel\_technology%}**

**A close-up of a text

AI-generated content may be incorrect.{%endif%}{%if has\_uv\_technology%}**

**A close-up of a text

AI-generated content may be incorrect.**

**{%endif%}**

**KITCHEN CANOPY AIR READINGS**

**{% for canopy in standard\_canopies %}{%if canopy.is\_cxw%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTRACT AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.design\_airflow}} | | |  | | |
| **Quantity of Grills** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Grill Size (mm)** | | | {{canopy.grill\_size}} | | |  | | |
| **Calculation** | | | Qv = A x m/s | | |  | | |
| **EXTRACT AIR READINGS** | |  | | | | | | |
| **Section** | **Anemometer Reading (Average m/s)** | | | **Free Area**  **(m2)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.anemometer\_reading}} | | | {{section.free\_area}} | {{section.extract\_flowrate\_m3h}} | | {{section.extract\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.extract\_total\_flowrate\_m3s}}** |

**{%else%}{%if canopy.is\_cmw%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTRACT AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.design\_airflow}} | | |  | | |
| **Quantity of Canopy Sections** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Length of Slot (mm)** | | | {{canopy.slot\_length}} | | |  | | |
| **Width of Slot (mm)** | | | {{canopy.slot\_width}} | | |  | | |
| **Calculation** | | | Qv = A x m/s | | |  | | |
| **EXTRACT AIR READINGS** | |  | | | | | | |
| **Section** | **Anemometer Reading (Average m/s)** | | | **Free Area**  **(m2)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.anemometer\_reading}} | | | {{section.free\_area}} | {{section.extract\_flowrate\_m3h}} | | {{section.extract\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.extract\_total\_flowrate\_m3s}}** |

**{%if canopy.has\_f\_in\_name%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SUPPLY AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.supply\_airflow}} | | |  | | |
| **Quantity of Canopy Sections** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Length of Slot (mm)** | | | {{canopy.slot\_length}} | | |  | | |
| **Width of Slot (mm)** | | | {{canopy.slot\_width}} | | |  | | |
| **Calculation** | | | Qv = A x m/s | | |  | | |
| **SUPPLY AIR READINGS** | |  | | | | | | |
| **Section** | **Anemometer Reading (Average m/s)** | | | **Free Area**  **(m2)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.supply\_anemometer\_reading}} | | | {{section.free\_area}} | {{section.supply\_flowrate\_m3h}} | | {{section.supply\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.supply\_total\_flowrate\_m3s}}** |

**{%endif%}**

**{%if canopy.with\_water\_wash\_checks and canopy.water\_wash\_checklist %}**

|  |  |
| --- | --- |
| **COLD MIST AND WASHING** | |
| **System Checks** | **Result** |
| **{%tr for item in canopy.water\_wash\_checklist.checklist\_items%}** |  |
| **{{item.item}}** | **{{item.value}}** |
| **{%tr endfor%}** |  |

**{%endif%}**

**{%else%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTRACT AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.design\_airflow}} | | |  | | |
| **Quantity of Canopy Sections** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Calculation** | | | Qv = Kf x √Pa | | |  | | |
| **EXTRACT AIR READINGS** | |  | | | | | | |
| **Section** | **T.A.B Point Reading**  **(Pa)** | | | **K-Factor**  **(m3/h)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.extract\_tab\_reading}} | | | {{section.extract\_k\_factor}} | {{section.extract\_flowrate\_m3h}} | | {{section.extract\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.extract\_total\_flowrate\_m3s}}** |

**{%if canopy.has\_f\_in\_name%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SUPPLY AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.supply\_airflow}} | | |  | | |
| **Quantity of Canopy Sections** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Calculation** | | | Qv = Kf x √Pa | | |  | | |
| **SUPPLY AIR READINGS** | |  | | | | | | |
| **Section** | **T.A.B Point Reading**  **(Pa)** | | | **K-Factor**  **(m3/h)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.supply\_tab\_reading}} | | | {{section.supply\_k\_factor}} | {{section.supply\_flowrate\_m3h}} | | {{section.supply\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.supply\_total\_flowrate\_m3s}}** |

**{%if canopy.uv\_checklist%}**

|  |  |
| --- | --- |
| **UV SYSTEM** | |
| **System Checks** | **Result** |
| {%tr for item in canopy.uv\_checklist.checklist\_items%} |  |
| {{item.item}} | {{item.value}} |
| {%tr endfor%} | 12 |

**{%endif%}**

**{%endif%}{%endif%}{%endif%}{%endfor%}{%for canopy in marvel\_canopies %}{%if canopy.is\_cxw%}**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTRACT AIR DATA** | | | |  | |  | |  | | | | | | | | | |  | | |
| **Drawing Number** | | | | {{canopy.drawing\_number}} | | |  |  | | | | |  | | | | | | |  |
| **Canopy Location** | | | | {{canopy.canopy\_location}} | | |  |  | | | | |  | | | | | | |  |
| **Canopy Model** | | | | {{canopy.canopy\_model}} | | |  |  | | | | |  | | | | | | |  |
| **Design Flowrate (m3/s)** | | | | {{canopy.design\_airflow}} | | |  |  | | | | |  | | | | | | |  |
| **Quantity of Grills** | | | | {{canopy.number\_of\_sections}} | | |  |  | | | | |  | | | | | | |  |
| **Grill Size (mm)** | | | | {{canopy.grill\_size}} | | |  |  | | | | |  | | | | | | |  |
| **Calculation** | | | | Qv = A x m/s | |  | |  | | | | |  | | | | | | |  |
| **With Marvel** | | | | Yes | |  | |  | | | | |  | | | | | | |  |
| **EXTRACT AIR READINGS** | | | |  | |  | |  | | | | | | | | | |  | | |
| **Section** | **Anemometer Reading (Average m/s)** | | | | **Free Area**  **(m2)** | **Flowrate**  **(m3/h)** | | | **Flowrate**  **(m3/s)** | | | **Min (%)** | | | | **Idle (%)** | | | **Design (m3/s)** | |
| **{%tr for section in canopy.sections%}** |  | | | |  |  | | |  | | |  | | | |  | | |  | |
| {{section.index}} | {{section.anemometer\_reading}} | | | | {{section.free\_area}} | {{section.extract\_flowrate\_m3h}} | | | {{section.extract\_flowrate\_m3s}} | | | {{section.min\_percent}} | | | | {{section.idle\_percent}} | | | {{section.design\_m3s}} | |
| {%tr endfor%} | |  | |  | |  | | |  | |  | | |  |  | | | | | |
|  | | |  | | |  | | |  | **Total Flowrate** | | | | | | | **{{canopy.extract\_total\_flowrate\_m3s}}** | | | |

**{%else%}{%if canopy.is\_cmw%}**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTRACT AIR DATA** | | | | |  | | |  | | |  | | | | | | | | |  | | |
| **Drawing Number** | | | | | {{canopy.drawing\_number}} | | | |  | |  | | | |  | | | | | | |  |
| **Canopy Location** | | | | | {{canopy.canopy\_location}} | | | |  | |  | | | |  | | | | | | |  |
| **Canopy Model** | | | | | {{canopy.canopy\_model}} | | | |  | |  | | | |  | | | | | | |  |
| **Design Flowrate (m3/s)** | | | | | {{canopy.design\_airflow}} | | | |  | |  | | | |  | | | | | | |  |
| **Quantity of Canopy Sections** | | | | | {{canopy.number\_of\_sections}} | | | |  | |  | | | |  | | | | | | |  |
| **Length of Slot (mm)** | | | | | {{canopy.slot\_length}} | | | |  | |  | | | |  | | | | | | |  |
| **Width of Slot (mm)** | | | | | {{canopy.slot\_width}} | | | |  | |  | | | |  | | | | | | |  |
| **Calculation** | | | | | Qv = A x m/s | | |  | | |  | | | |  | | | | | | |  |
| **With Marvel** | | | | | Yes | | |  | | |  | | | |  | | | | | | |  |
| **EXTRACT AIR READINGS** | | | | |  | | |  | | |  | | | | | | | | |  | | |
| **Section** | **Anemometer Reading (Average m/s)** | | | | | **Free Area**  **(m2)** | | **Flowrate**  **(m3/h)** | | | | | **Flowrate**  **(m3/s)** | **Min (%)** | | | | | **Idle (%)** | | **Design (m3/s)** | |
| **{%tr for section in canopy.sections%}** |  | | | | |  | |  | | | | |  |  | | | | |  | |  | |
| {{section.index}} | {{section.anemometer\_reading}} | | | | | {{section.free\_area}} | | {{section.extract\_flowrate\_m3h}} | | | | | {{section.extract\_flowrate\_m3s}} | {{section.min\_percent}} | | | | | {{section.idle\_percent}} | | {{section.design\_m3s}} | |
| {%tr endfor%} | |  | | |  | | |  | |  | |  | | | |  |  | | | | | |
|  | | |  |  | | |  | | | | | | **Total Flowrate** | | | | | **{{canopy.extract\_total\_flowrate\_m3s}}** | | | | |

**{%if canopy.has\_f\_in\_name%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SUPPLY AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.supply\_airflow}} | | |  | | |
| **Quantity of Canopy Sections** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Length of Slot (mm)** | | | {{canopy.slot\_length}} | | |  | | |
| **Width of Slot (mm)** | | | {{canopy.slot\_width}} | | |  | | |
| **Calculation** | | | Qv = A x m/s | | |  | | |
| **SUPPLY AIR READINGS** | |  | | | | | | |
| **Section** | **Anemometer Reading (Average m/s)** | | | **Free Area**  **(m2)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.supply\_anemometer\_reading}} | | | {{section.free\_area}} | {{section.supply\_flowrate\_m3h}} | | {{section.supply\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.supply\_total\_flowrate\_m3s}}** |

**{%endif%}{%if canopy.with\_water\_wash\_checks and canopy.water\_wash\_checklist %}**

|  |  |
| --- | --- |
| **COLD MIST AND WASHING** | |
| **System Checks** | **Result** |
| **{%tr for item in canopy.water\_wash\_checklist.checklist\_items%}** |  |
| **{{item.item}}** | **{{item.value}}** |
| **{%tr endfor%}** |  |

**{%endif%}{%else%}**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTRACT AIR DATA** | | | |  | |  | | |  | | | | | | | | | |  | | |
| **Drawing Number** | | | | {{canopy.drawing\_number}} | | |  | |  | | | | |  | | | | | | |  |
| **Canopy Location** | | | | {{canopy.canopy\_location}} | | |  | |  | | | | |  | | | | | | |  |
| **Canopy Model** | | | | {{canopy.canopy\_model}} | | |  | |  | | | | |  | | | | | | |  |
| **Design Flowrate (m3/s)** | | | | {{canopy.design\_airflow}} | | |  | |  | | | | |  | | | | | | |  |
| **Quantity of Canopy Sections** | | | | {{canopy.number\_of\_sections}} | | |  | |  | | | | |  | | | | | | |  |
| **Calculation** | | | | Qv = Kf x √Pa | |  | | |  | | | | |  | | | | | | |  |
| **With Marvel** | | | | Yes | |  | | |  | | | | |  | | | | | | |  |
| **EXTRACT AIR READINGS** | | | |  | |  | | |  | | | | | | | | | |  | | |
| **Section** | **T.A.B Point Reading**  **(Pa)** | | | | **K-Factor**  **(m3/h)** | **Flowrate**  **(m3/h)** | | | | | **Flowrate**  **(m3/s)** | | **Min (%)** | | | | | **Idle (%)** | | **Design (m3/s)** | |
| **{%tr for section in canopy.sections%}** |  | | | |  |  | | | | |  | |  | | | | |  | |  | |
| {{section.index}} | {{section.extract\_tab\_reading}} | | | | {{section.extract\_k\_factor}} | {{section.extract\_flowrate\_m3h}} | | | | | {{section.extract\_flowrate\_m3s}} | | {{section.min\_percent}} | | | | | {{section.idle\_percent}} | | {{section.design\_m3s}} | |
| {%tr endfor%} | |  | |  | |  | | | | |  |  | | |  |  | | | | | |
|  | | |  | | |  | |  | | **Total Flowrate** | | | | | | | **{{canopy.extract\_total\_flowrate\_m3s}}** | | | | |

**{%if canopy.has\_f\_in\_name%}**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SUPPLY AIR DATA** | |  | | | | | | |
| **Drawing Number** | | | {{canopy.drawing\_number}} | | |  | | |
| **Canopy Location** | | | {{canopy.canopy\_location}} | | |  | | |
| **Canopy Model** | | | {{canopy.canopy\_model}} | | |  | | |
| **Design Flowrate (m3/s)** | | | {{canopy.supply\_airflow}} | | |  | | |
| **Quantity of Canopy Sections** | | | {{canopy.number\_of\_sections}} | | |  | | |
| **Calculation** | | | Qv = Kf x √Pa | | |  | | |
| **SUPPLY AIR READINGS** | |  | | | | | | |
| **Section** | **T.A.B Point Reading**  **(Pa)** | | | **K-Factor**  **(m3/h)** | **Flowrate**  **(m3/h)** | | **Flowrate**  **(m3/s)** |
| **{%tr for section in canopy.sections%}** |  | | |  |  | |  |
| {{section.index}} | {{section.supply\_tab\_reading}} | | | {{section.supply\_k\_factor}} | {{section.supply\_flowrate\_m3h}} | | {{section.supply\_flowrate\_m3s}} |
| {%tr endfor%} |  | | |  |  | |  |
|  | **Total Flowrate** | | **{{canopy.supply\_total\_flowrate\_m3s}}** |

**{%if canopy.uv\_checklist%}**

|  |  |
| --- | --- |
| **UV SYSTEM** | |
| **System Checks** | **Result** |
| {%tr for item in canopy.uv\_checklist.checklist\_items%} |  |
| {{item.item}} | {{item.value}} |
| {%tr endfor%} | 12 |

**{%endif%}{%endif%}{%endif%}{%endif%}{%endfor%}**

**RESULTS SUMMARY**

|  |  |  |  |
| --- | --- | --- | --- |
| **EXTRACT AIR** | | | |
| **Drawing Number** | **Design Flow Rate (m3/s)** | **Actual Flowrate (m3/s)** | **Percentage of Design** |
| **{%tr for result in extract\_results%}** |  |  |  |
| {{result.drawing\_number}} | {{result.design\_flow\_rate}} | {{result.actual\_flowrate}} | {{result.percentage}} |
| {%tr endfor%} |  |  | % |
| **TOTAL** | **{{extract\_total\_desgin}}** | **{{extract\_total\_actual}}** | **{{extract\_total\_percentage}}** |

|  |  |  |  |
| --- | --- | --- | --- |
| **SUPPLY AIR** | | | |
| **Drawing Number** | **Design Flow Rate (m3/s)** | **Actual Flowrate (m3/s)** | **Percentage of Design** |
| **{%tr for result in supply\_results%}** |  |  |  |
| {{result.drawing\_number}} | {{result.design\_flow\_rate}} | {{result.actual\_flowrate}} | {{result.percentage}} |
| {%tr endfor%} |  |  | % |
| **TOTAL** | **{{supply\_total\_design}}** | **{{supply\_total\_actual}}** | **{{supply\_total\_percentage}}** |

**FINAL HALTON SYSTEM CHECKS**

**{%if edge\_box.has\_edge\_data%}**

|  |  |
| --- | --- |
| **EDGE BOX** | |
| Edge Installed | {%if edge\_box.edge\_installed%}**✓{%endif%}** |
| Edge ID | {{edge\_box.edge\_id}} |
| Edge 4G Status | {{edge\_box.edge\_4g\_status}} |
| LAN Connection Available | {%if edge\_box.lan\_connection%}**✓{%endif%}** |
| Modbus Operation | {%if edge\_box.modbus\_operation%}**✓** {{edge\_box.modbus\_value}}{%endif%} |

**{%endif%}**

|  |  |
| --- | --- |
| **ADDITIONAL NOTES** | |
| {% if has\_notes %}{%for note in notes\_list%}  {{note}}  {%endfor%}{%endif%} | |
| **Date** | {{signature\_date}} |
| **Print** | {{print\_name}} |
| **Sign** | {{signature\_image}} |