

Airflow Rate Calculation Data		
Kitchen Block Size	2790x1370	
Hood Type	Island	
Simultaneity factor	0.9	
Appliance List		
Q-ty	Appliance Type	Power, kW
2	Industrial cooktop, Electric	13.4
1	Stockpot stove, Gas	8
1	Tilting frying pan, Electric	10.8
1	Griddle, Electric	8.1

General Notes:

- All dimensions are in millimetres
- Recommended hood hanging height 2000-2100 mm from finished floor
- Verify building entry conditions and limitations for access upon approval
- Manufacturer will not accept claims for problems that result from sub-standard installation
- Recommended minimum supply air temperature: 20C°
- Airflow rate calculations are based on EN16282 detailed calculations method and are provided as an accurate reference. The contractor is responsible for balancing and fine-adjusting the airflow rates on site

Exhaust Hood Details:	
Hood Size (LxWxH)	3200x1800x480
No. of Hood Sections	2
Filter Type	Baffle
Filter Quantity	9
Approx. Hood Weight	N/A
Dampers	None
Grease Drain Type	Drain valve
Lighting Type	Recessed LED
Lighting Details	IP66, min. 500lx
UV-C System	None
Exhaust Collars	2xØ 400
Supply Collars	8xØ 200

Airflow Rate Calculations	
Total Exhaust Flow Rate	4682 m3/h
Flow Rate Per Filter	520 m3/h
Avg. Duct Velocity	5.16 m/s
Exhaust k-factor at Port	N/A
Pressure Drop at Collar	N/A
Pressure Drop at Pressure Port	N/A
Total Supply Flow Rate	4214 m3/h
Avg. Duct Velocity	4.65 m/s
Supply k-factor at Port	657.5
Pressure Drop at Collar	54 Pa
Pressure Drop at Pressure Port	41 Pa

AirIDEA

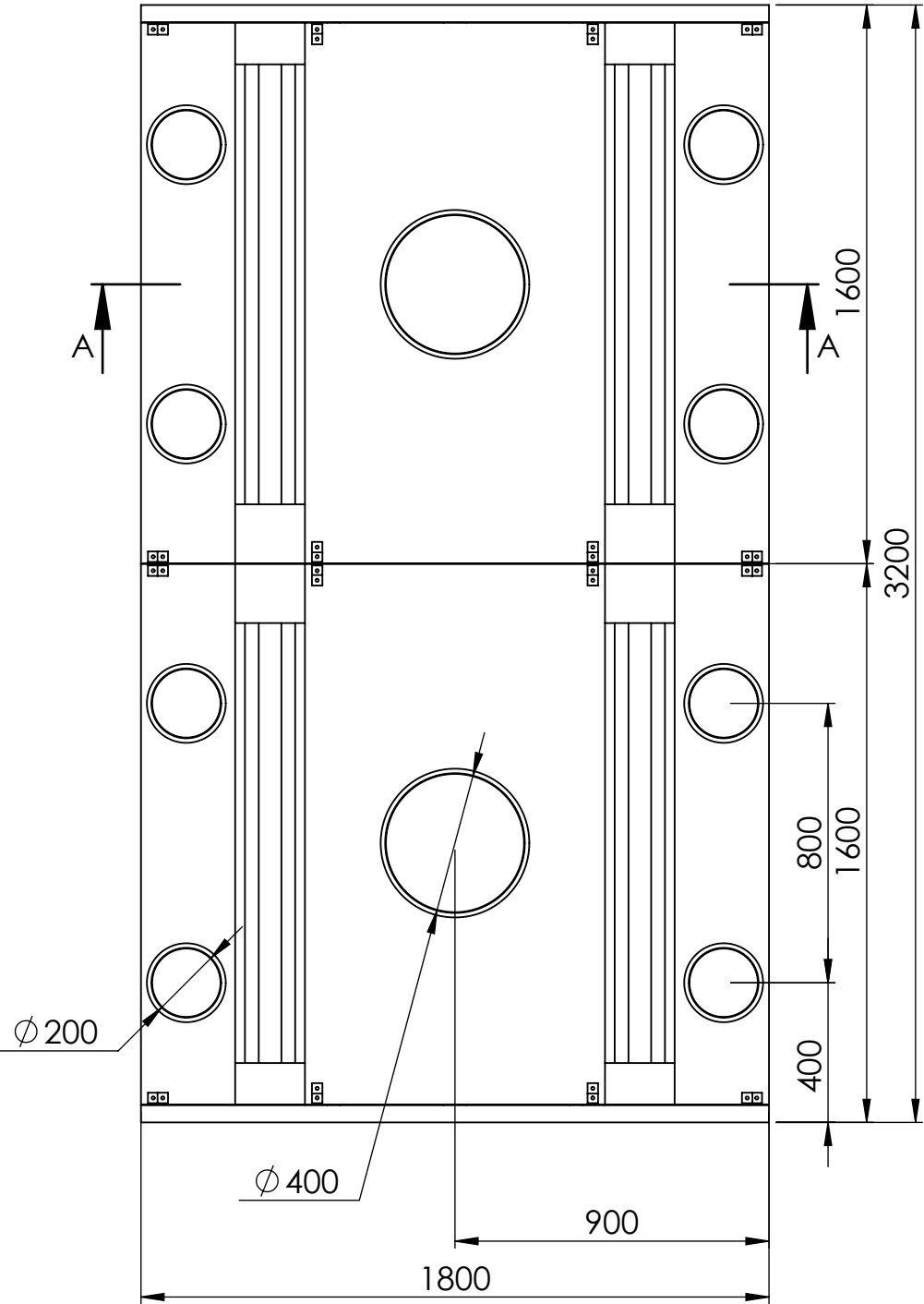
Project Name: DPS PIOTRKOW KUJAWSKI	Position: 1
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Hood Model and Description:
NIS - Island Hood with Air Supply and Air Jet

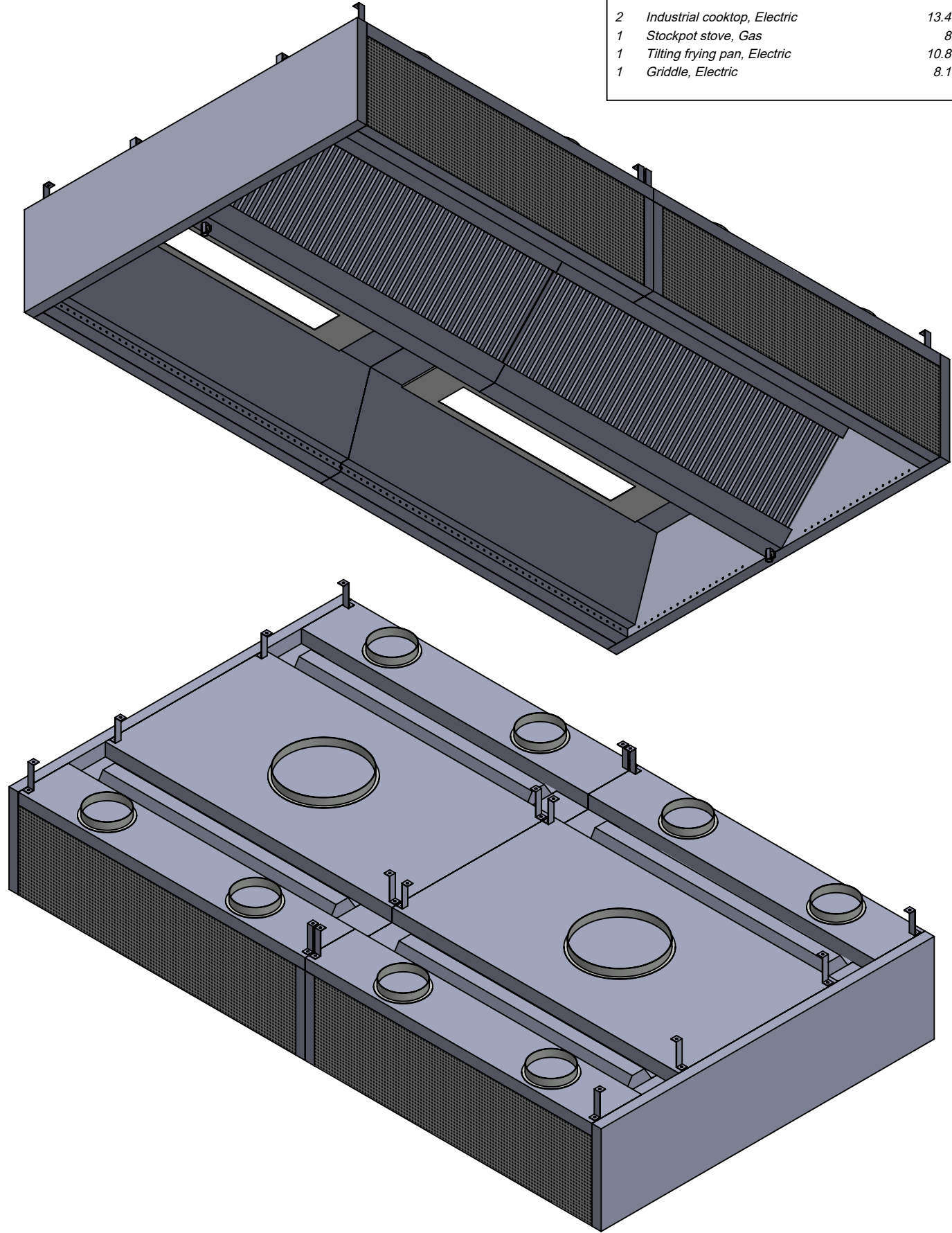
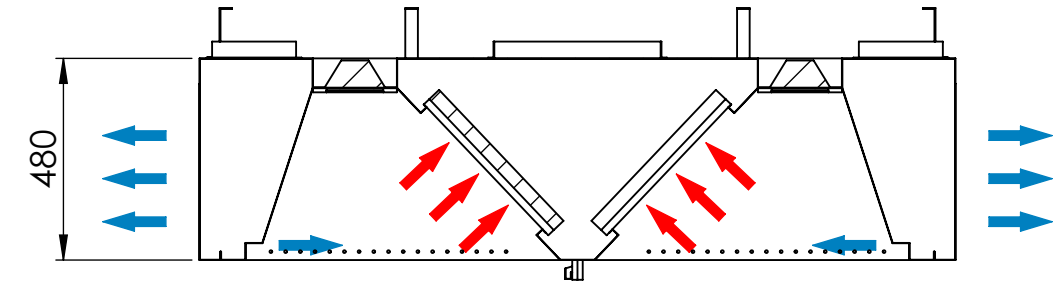
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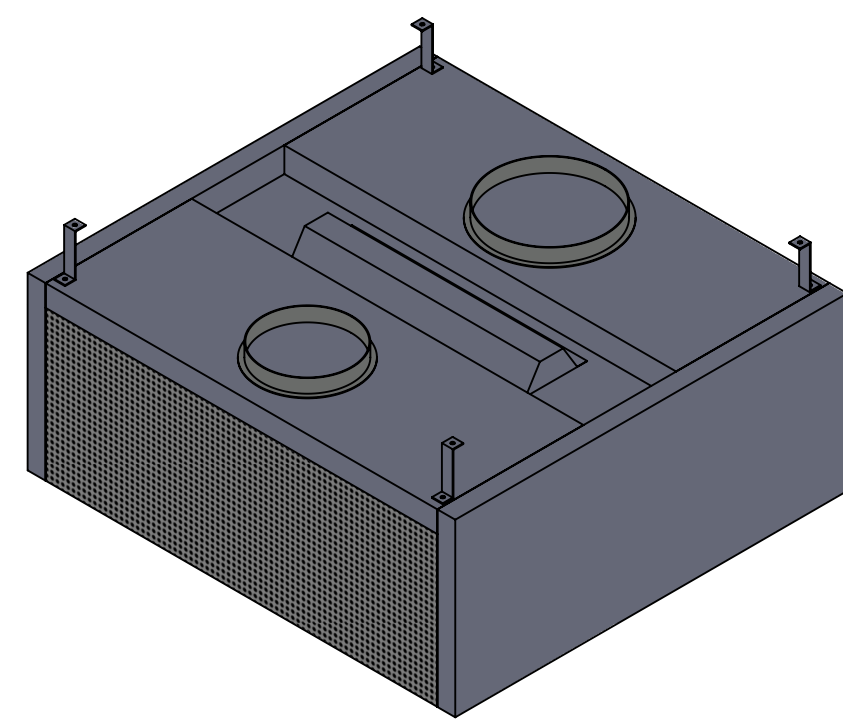
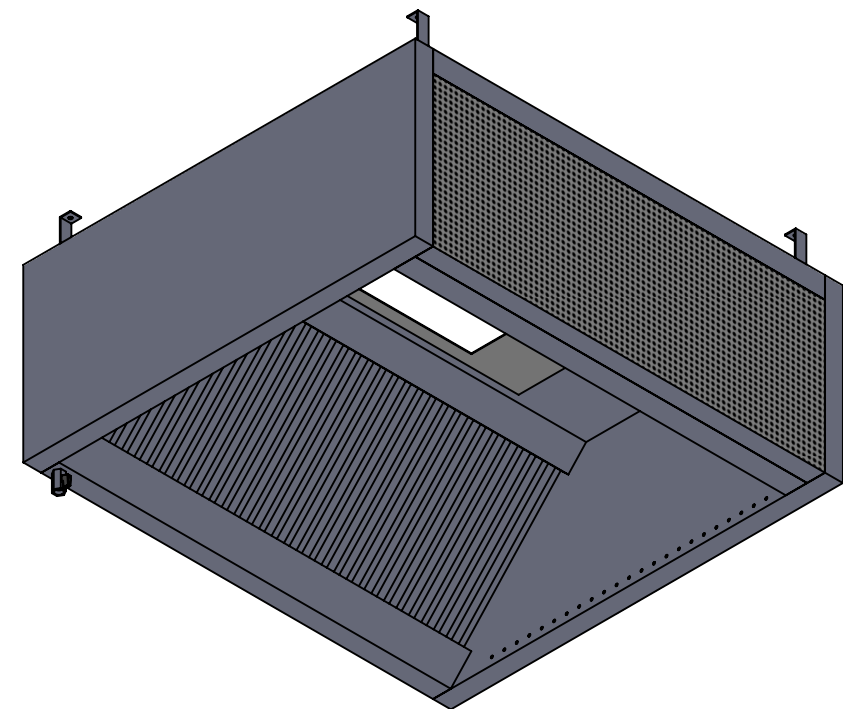
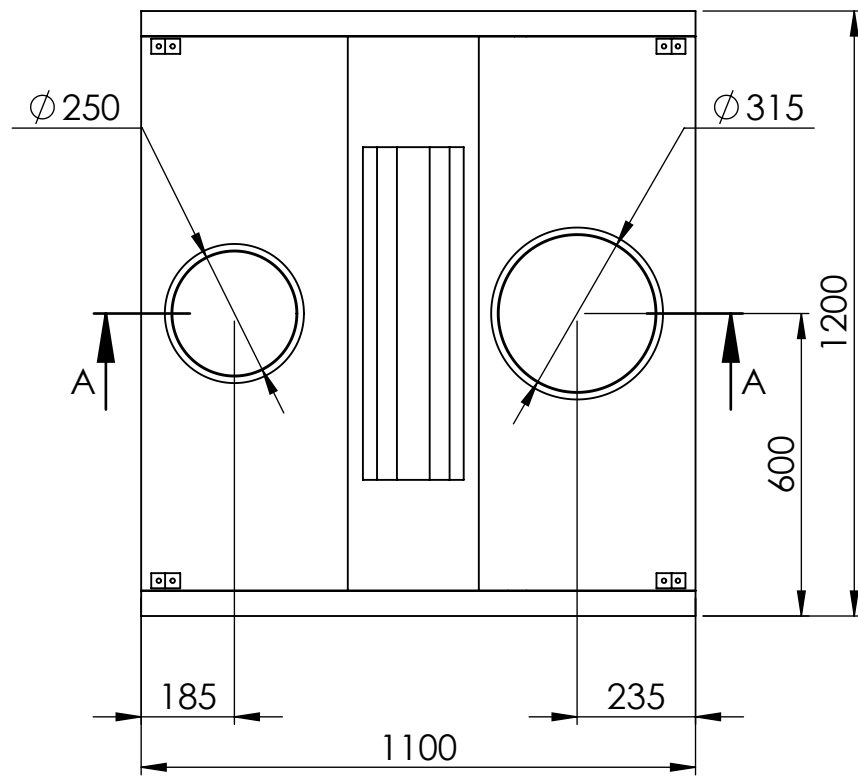
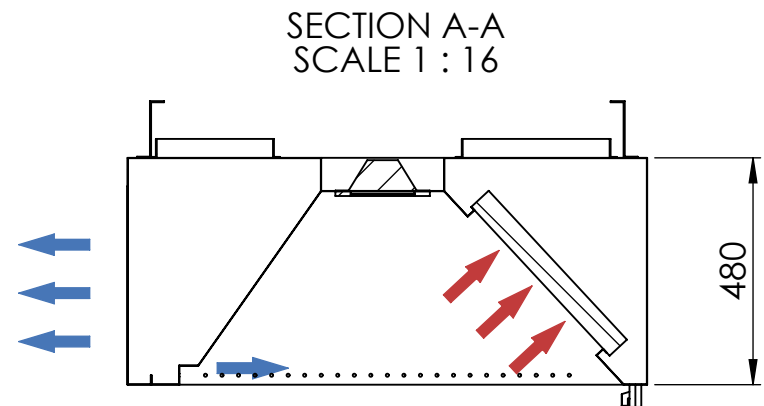
Drawn By: ES	Material: Brushed Stainless Steel
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Scale: 1:20 A3	Sheet: 1 / 1	Revision:
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SECTION A-A
SCALE 1 : 18





Airflow Rate Calculation Data		
Kitchen Block Size	850x810	
Hood Type	Next to a Wall	
Simultaneity factor	1	
Appliance List		
Q-ty	Appliance Type	Power, kW
1	Steam oven, Electric	15.4

- General Notes:**
- All dimensions are in millimetres
 - Recommended hood hanging height 2000-2100 mm from finished floor
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 - Recommended minimum supply air temperature: 20C°
 - Airflow rate calculations are based on EN16282 detailed calculations method and are provided as an accurate reference. The contractor is responsible for balancing and fine-adjusting the airflow rates on site

Exhaust Hood Details:	
Hood Size (LxWxH)	1200x1100x480
No. of Hood Sections	1
Filter Type	Baffle
Filter Quantity	2
Approx. Hood Weight	59.7 kg
Dampers	None
Grease Drain Type	Drain valve
Lighting Type	Recessed LED
Lighting Details	IP66, min. 500lx
UV-C System	None
Exhaust Collars	1xØ 315
Supply Collars	1xØ 250

Airflow Rate Calculations	
Total Exhaust Flow Rate	640 m3/h
Flow Rate Per Filter	320 m3/h
Avg. Duct Velocity	2.28 m/s
Exhaust k-factor at Port	N/A
Pressure Drop at Collar	N/A
Pressure Drop at Pressure Port	N/A
Total Supply Flow Rate	576 m3/h
Avg. Duct Velocity	3.27 m/s
Supply k-factor at Port	118.6
Pressure Drop at Collar	31 Pa
Pressure Drop at Pressure Port	24 Pa

AirIDEA

Project Name: DPS PIOTRKOW KUJAWSKI		Position: 2
Hood Model and Description: NWS - Wall Hood with Air Supply and Air Jet		
Date: 2024.01.26	Drawing Reference: E24-047-2	
Drawn By: ES	Material: Brushed Stainless Steel	
Scale: 1:15 A3	Sheet: 1 / 1	Revision: