Health and Comfort Department
LABE Division

Test report no. AC25-58172

Concerning acoustic booths

This test report attests only to the characteristics of the item tested and does not prejudge the characteristics of similar products. So it does not constitute a product certification in the sense of the Consumer Code. Only the electronic report signed with a valid digital certificate is considered to be authentic in case of dispute. This electronic report is kept at CSTB for at least 10 years. Copying of this electronic report is only allowed in its full form.
It contains 55 pages.

AT THE REQUEST OF: **WORK WITH ISLAND**
5 RUE PLEYEL
IMMEUBLE CARRÉ PLEYEL
93200 SAINT DENIS - FRANCE

CSTB
le futur en construction

Test report no. AC25-58172

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Test report no. AC25-58172

1 PURPOSE

Determine the speech level reduction index *D* of acoustic booths.

2 REFERENCE TEXTS

Measurements are taken according to standards NF EN ISO 23351-1 (2020) supplemented by standard NF EN ISO 3741 (2012).

3 SUMMARY OF THE TESTS CONDUCTED

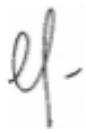
Test No.	Products subjected to the tests	Results $D_{S,A}$ (dB)	General classification (For the purposes of information)
1	Acoustic booth: Island Desk	31.1	A
2	Acoustic booth: Island Solo	30.2	A
3	Acoustic booth: Island Duo	28.7	B
4	Acoustic booth: Island Quattro	29.8	B

The results are valid solely for the test piece configuration submitted for testing. Changes in the size, geometry or materials can lead to significant variations in the results recorded in the report.

Date of receipt: 28/10/2025
Origin: Requester
Implementation: Requester
Implementation date: 28/10/25

Issued at Marne-la-Vallée, on March 3, 2026

Person in charge of the tests



Emile Petitperrin

Division head

Signé numériquement par Nitro Software Belgium NV - Nitro Sign Premium pour le compte de MARIE MAGNIN (marie.magnin@cstb.fr)
Date : 05/03/2026 13:56:04
Signé avec le mot de passe à usage unique envoyé par email : 500884

Marie MAGNIN

4 PRODUCTS SUBJECTED TO THE TESTS

4.1 ACOUSTIC BOOTH: ISLAND DESK

4.1.1 DESCRIPTION

Test number: 1

External dimensions in mm (W x L x H): 1,090 x 1,002 x 2,170

DESCRIPTION

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
SIDE WALL						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	955 x 1,995 Th. 1.5	300 g/m² ± 10%	
Inside coating				955 x 2,055 Th. 1.5		
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	948 x 1,988.5 Th. 19	12.9 kg/m²± 10%	
Interior panel	3 agglomerated wood reinforcements with melamine coating			316 x 911.5 300 x 911.5 231 x 911.5 Th. 19		
Frame	Plywood	/	REGNIER	2 parts 1,954 x 46 2 parts 948.5 x 46 Th. 19.6 (18 wood + 2 x 0.8 melamine)	0.75 g/cm³ ± 0.05	
Insulation	Recycled cotton panels	Métisse RT	LE RELAIS	910 x 1,950.5 Th. 60	20 kg/m³	

Test report no. AC25-58172

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
REAR WALL						
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	1,090 x 2,170 Th. 19	12.9 kg/m²± 10%	
Interior panel	3 agglomerated wood reinforcements with melamine coating			2 parts 914 x 165 1 part 914 x 300 Th. 19		
Frame	Plywood	/	REGNIER	2 parts 1,984 x 98 2 parts 918 x 98 Th. 19.6 (18 wood + 2 x 0.8 melamine)	0.75 g/cm³ ± 0.05	
Insulation	Recycled cotton panels	Métisse RT	LE RELAIS	918 x 1,948 Th. 60	20 kg/m³	
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	954 x 1,984 Th. 1.5	300 g/m² ± 10%	

Test report no. AC25-58172

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscell aneous (*)
BASE						
Frame	4 agglomerated wood reinforcements with melamine coating	H3157 ST12	EGGER	2 parts 42 x 913.5 2 parts 42 x 954.6 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			951.5 x 954.6 Th. 19		
Exterior panel	Agglomerated wood with melamine coating			951.5 x 1,088 Th. 19		
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	955 x 960 Th. 1.5	300 g/m² ± 10%	
Ventilation	2 ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 Th. 40	22 - 24 kg/m^3	
CEILING						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,300 x 951.5 Th. 1.5	300 g/m² ± 10%	
Exterior panel	MDF	E1E05 TSCA MB	EGGER	1,239 x 951.5 Th. 6	670 - 730 kg/m^3	
Frame	6 agglomerated wood cross members with melamine coating	H3157 ST12		4 parts 1,088 x 70 2 parts 949.5 x 24.5 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			951.5 x 996 Th. 19		
Ventilation	Ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 Th. 70	22 - 24kg/m^3	
	4 fans on PU foam support	P12	ARCTIC	120 x 120 x 25	/	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscell aneous (*)
OPENING						
Glazing	Sécurit glass		SAINT GOBAIN	1,090 x 2,170 Th. 8	2.5 g/cm³ ± 1 %	
Assembly of the glazing	4 x hinges		EUROFIT	Open: 94.1 x 102 x 3 Closed: 54.1 x 102 x 3	7.9 g/cm³ ± 0.1	
Opening/frame seal	TPE door seal	S 6577a	DEVENTER	12 x 12 x 6,500	1.05 g/cm³ ± 10 %	
Frame	Plywood		REGNIER	1,090 x 2,170 x 19.6 Th. 19.6	0.75 g/cm³ ± 0.05	
Iron work / locking	Magnets (frame) / steel plate (door)	Q-30-30-15-N	SUPER MAGNET	30 x 30 x 15	7.4 g/cm³ ± 0.1	

In accordance with the General Terms of Service Provision, the information pertaining to the description of the products and the data identified by (*) are provided by the requester and fall under its full responsibility.

4.1.2 IMPLEMENTATION

(The dimensions are given in mm.)

The walls are assembled together and on the base using capping nuts with a diameter of 8, 14 screws at the front and 14 screws at the rear. 4 exterior screws and 4 interior screws provide rigidification for the structure.

The omnidirectional noise source is suspended from a hook screwed to the middle of the ceiling of the booth.

4.1.3 PHOTOGRAPHS

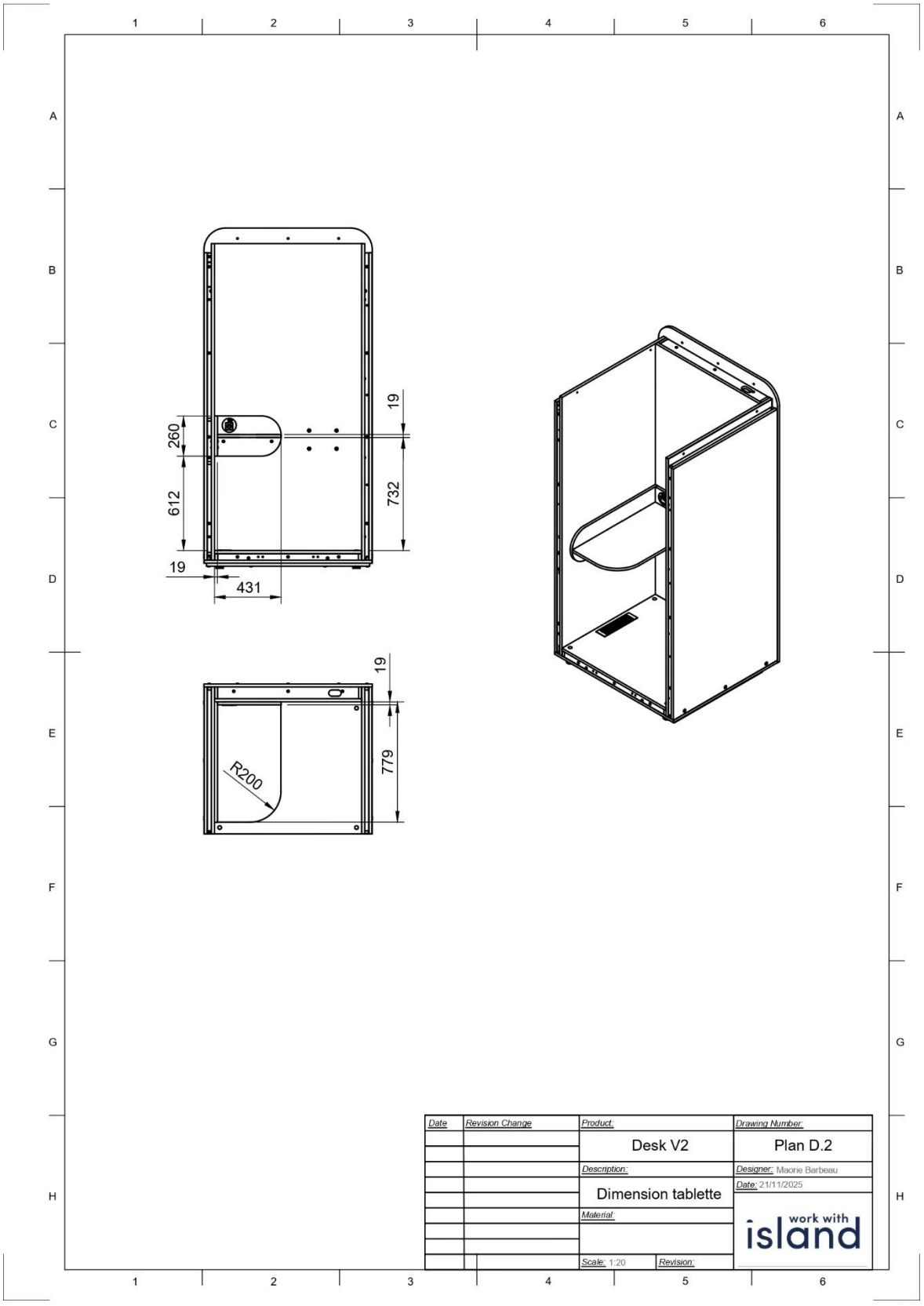


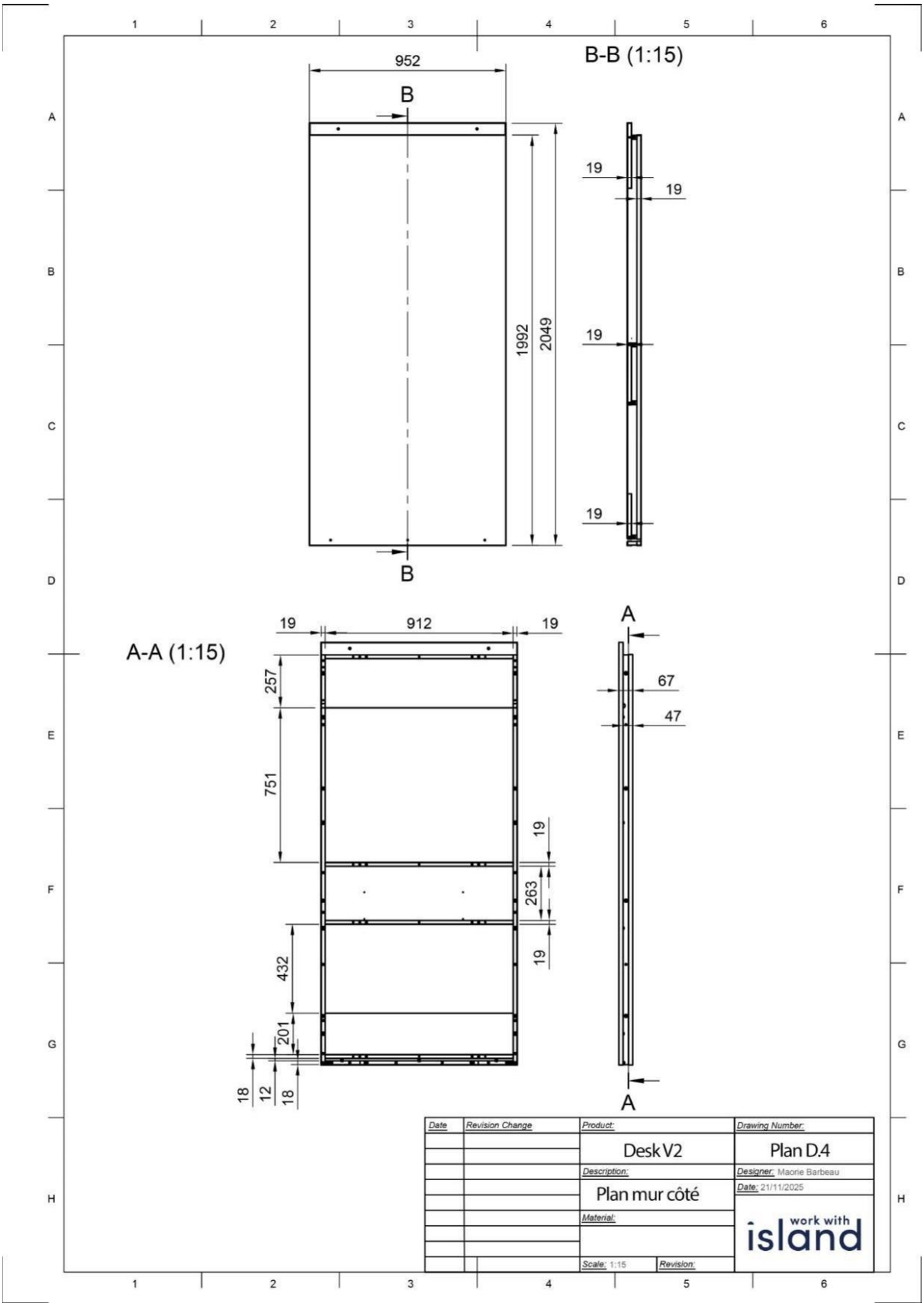
Island Desk booth in position A

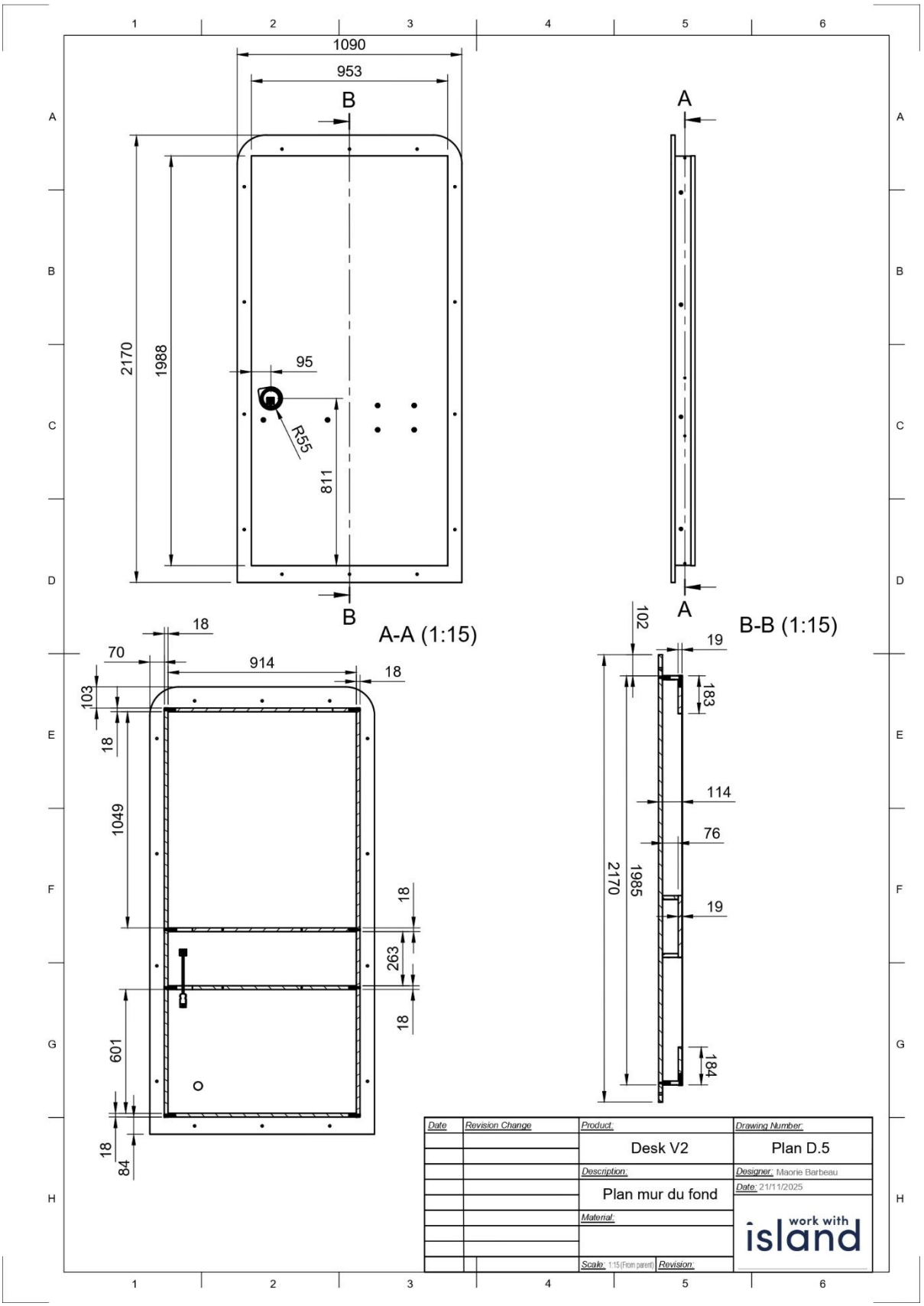


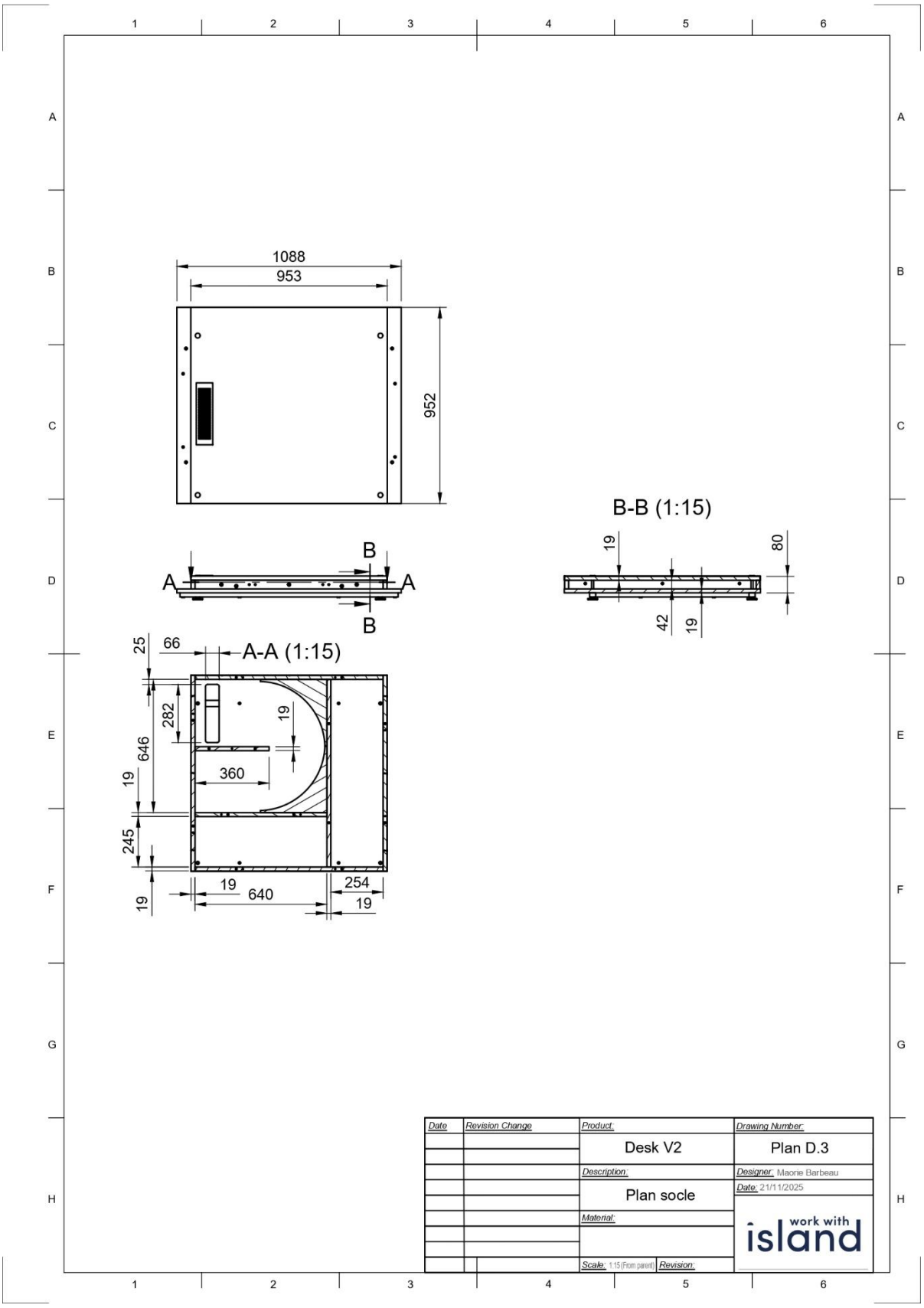
Island Desk booth in position B

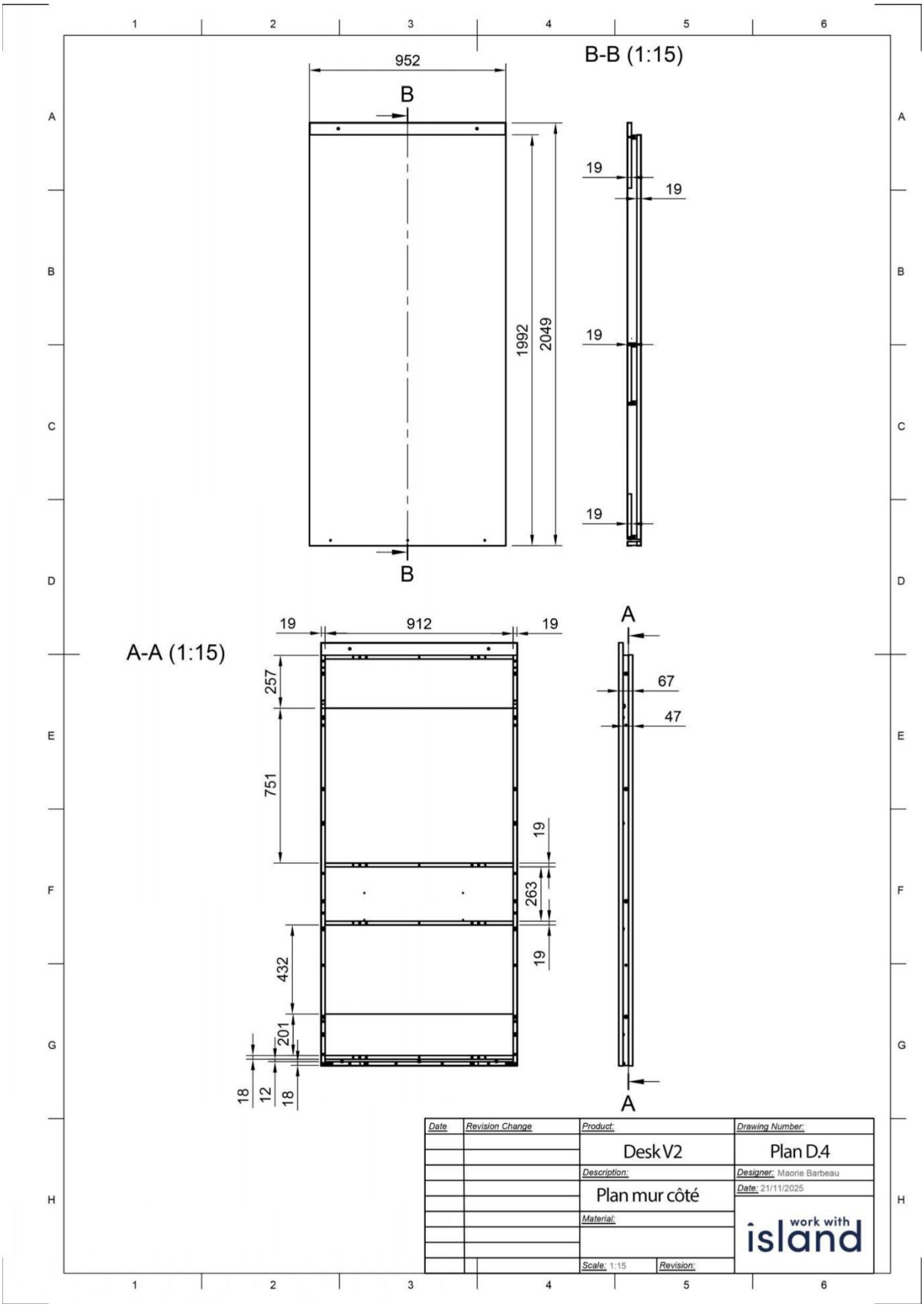
4.1.4 DRAWINGS PROVIDED BY THE REQUESTER

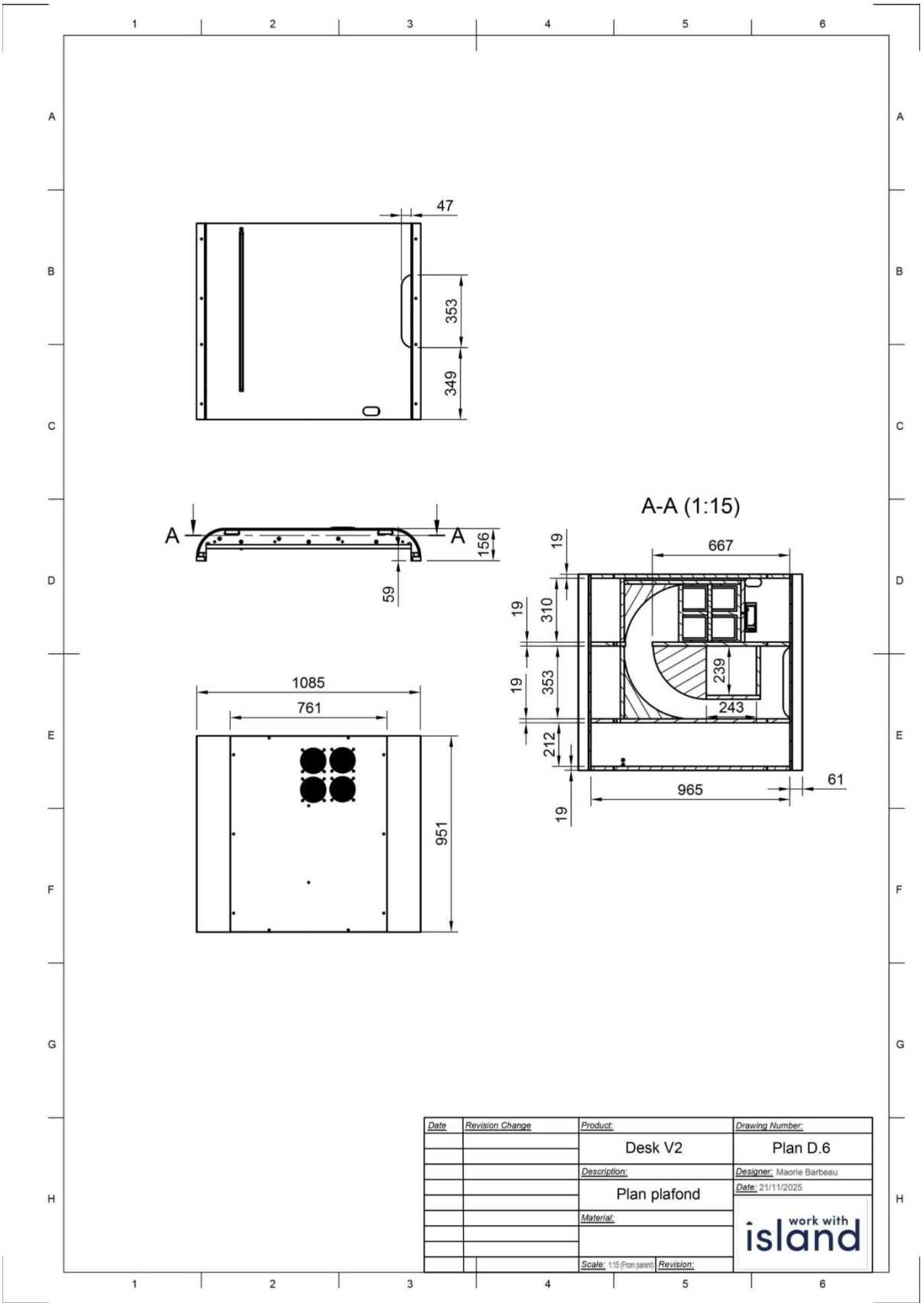


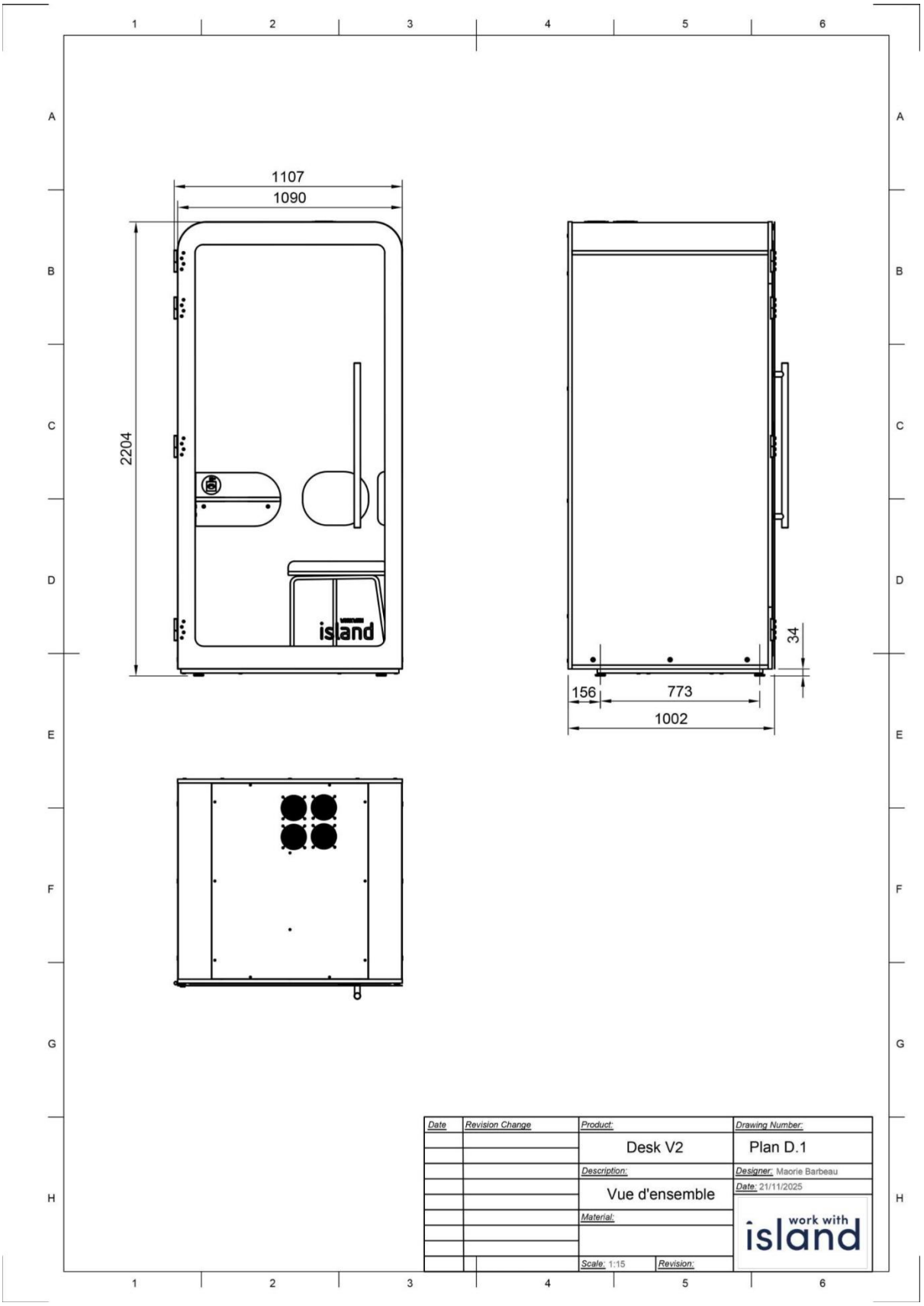

B-B (1:15)
952
B
1992
2049
19
19
19
19
B
A-A (1:15)
19
912
19
257
751
19
263
19
432
201
18
12
18
A
67
47
A
Date
Revision Change
Product:
Desk V2
Drawing Number:
Plan D.4
Description:
Plan mur côté
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


1090
953
B
A
2170
1988
95
R55
811
A-A (1:15)
B-B (1:15)
18
70
914
103
1049
263
601
84
102
19
183
114
76
1985
184
Date
Revision Change
Product:
Desk V2
Drawing Number:
Plan D.5
Description:
Plan mur du fond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:15 (From parent)
Revision:
work with island


1088
953
952
B
A
A
B
B-B (1:15)
19
80
42
19
A-A (1:15)
25
66
282
19
646
19
360
245
19
19
640
254
19
Date
Revision Change
Product:
Desk V2
Drawing Number:
Plan D.3
Description:
Plan socle
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:15 (From parent)
Revision:
work with island


B-B (1:15)
952
B
1992
2049
19
19
19
19
B
A-A (1:15)
19
912
19
257
751
19
263
19
432
201
18
12
18
A
67
47
A
Date
Revision Change
Product:
Desk V2
Drawing Number:
Plan D.4
Description:
Plan mur côté
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


47
353
349
A
A
156
59
A-A (1:15)
19
667
19
310
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353
19
212
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239
243
965
61
1085
761
951
Date
Revision Change
Product:
Desk V2
Drawing Number:
Plan D.6
Description:
Plan plafond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:15 (From parent)
Revision:
work with island


1107
1090
2204
island
34
156
773
1002
Date
Revision Change
Product:
Desk V2
Drawing Number:
Plan D.1
Description:
Vue d'ensemble
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:

4.1.5 TEST RESULTS

Acoustic booth: Island Desk
Speech level reduction index D
Test number: 1
Test date: 28/10/2025

MAIN CHARACTERISTICS

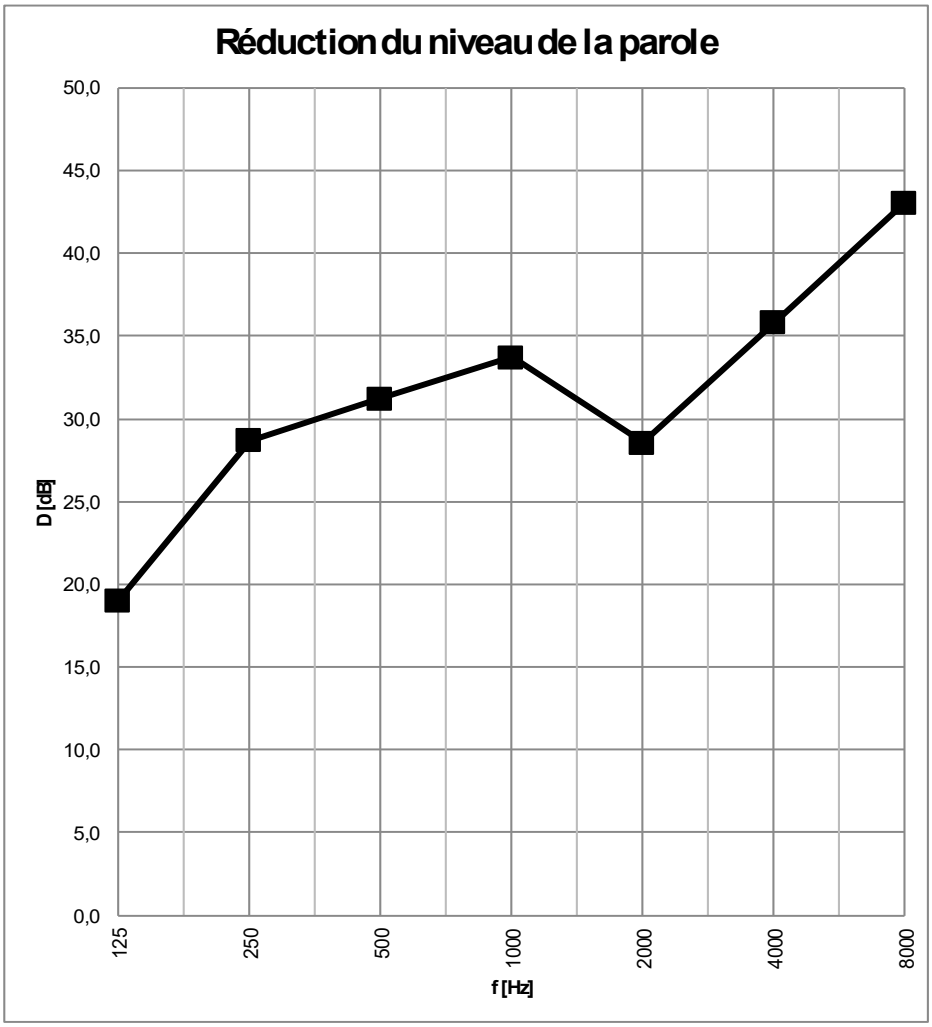
Dimensions in mm (H x W) : 1,090 x 1,002 x 2,170

MEASUREMENT CONDITIONS

Room with sample
Temperature: 18 °C
Relative humidity: 50%
Atmospheric pressure: 100 kPa

RESULTS

Fréquence *f* **Hz**	Réduction du niveau de la parole *D* **dB**
125	19,0
250	28,7
500	31,3
1000	33,7
2000	28,6
4000	35,8
8000	43,1
$D_{S,A}$	**31,1**



4.2 ACOUSTIC BOOTH: ISLAND SOLO

4.2.1 DESCRIPTION

Test number: 2

External dimensions in mm (W x L x H): 1,090 x 1,002 x 2,170

DESCRIPTION

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
SIDE WALLS						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	955 x 1,995 Th. 1.5	300 g/m² ± 10%	
Inside coating	100% polypropylene felt			955 x 2,055 Th. 1.5	300 g/m² ± 10%	
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	948 x 1,988.5 Th. 19	12.9 kg/m²± 10%	
Interior panel	3 agglomerated wood reinforcements with melamine coating			316 x 911.5 300 x 911.5 231 x 911.5 Th. 19	12.9 kg/m²± 10%	
Frame	Plywood	Customised material and part	REGNIER	2 parts 1,954 x 46 2 parts 948.5 x 46 Th. 19.6	0.75 g/cm³ ± 0.05 g/cm³	
Insulation	Recycled cotton panels	Métisse	LE RELAIS	910 x 1,950.5 Th. 60	20 kg/m³	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
REAR WALLS						
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	1,090 x 2,170 Th. 19	12.9 kg/m²± 10%	
Interior panel	3 agglomerated wood reinforcements with melamine coating			2 parts 914 x 165 1 part 914 x 300 Th. 19	12.9 kg/m²± 10%	
Frame	Plywood	Customised material and part	REGNIER	2 parts 1,984 x 98 2 parts 918 x 98 Th. 19.6	0.75 g/cm³ ± 0.05 g/cm³	
Insulation	Recycled cotton panels	Métisse	LE RELAIS	918 x 1,948 Th. 60	20 kg/m³	
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	954 x 1,984 Th. 1.5	300 g/m² ± 10%	

Test report no. AC25-58172

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
BASE						
Frame	4 agglomerated wood reinforcements with melamine coating	H3157 ST12	EGGER	2 parts 42 x 913.5 2 parts 42 x 954.6 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			951.5 x 954.6 Th. 19	12.9 kg/m² ± 10%	
Exterior panel	Agglomerated wood with melamine coating			951.5 x 1,088 Th. 19	12.9 kg/m² ± 10%	
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	955 x 960 Th. 1.5	300 g/m² ± 10%	
Ventilation	2 ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 Th. 40	22 - 24 kg/m^3	
CEILING						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,300 x 951.5 Th. 1.5	300 g/m² ± 10%	
Exterior panel	MDF	E1E05 TSCA MB	EGGER	1,239 x 951.5 Th. 6	670 - 730 kg/m^3	
Frame	6 agglomerated wood cross members with melamine coating	H3157 ST12		4 parts 1,088 x 70 2 parts 949.5 x 24.5 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			951.5 x 996 Th. 19	12.9 kg/m² ± 10%	
Ventilation	Ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 th. 70	22 - 24kg/m^3	
	4 fans on PU foam support	P12	ARCTIC	120 x 120 x 25	/	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscell aneous (*)
OPENING						
Glazing	Sécurit glass		SAINT GOBAIN	1,090 x 2,170 Th. 8	2.5 g/cm³ ± 1 %	
Assembly of the glazing	4 x hinges		EUROFIT	Open: 94.1 x 102 x 3 Closed: 54.1 x 102 x 3	7.9 g/cm³ ± 0.1	
Opening/frame seal	TPE door seal	S 6577a	DEVENTER	12 x 12 x 6,500	1.05 g/cm³ ± 10 %	
Frame	Plywood		REGNIER	1,090 x 2,170 x 19.6 Th. 19.6	0.75 g/cm³ ± 0.05	
Iron work / locking	Magnets (frame) / steel plate (door)	Q-30-30-15-N	SUPER MAGNET	30 x 30 x 15	7.4 g/cm³ ± 0.1	

In accordance with the General Terms of Service Provision, the information pertaining to the description of the products and the data identified by (*) are provided by the requester and fall under its full responsibility.

4.2.2 IMPLEMENTATION

(The dimensions are given in mm.)

The walls are assembled together and on the base using capping nuts with a diameter of 8 mm, 14 screws at the front and 14 screws at the rear. 4 exterior screws and 4 interior screws provide rigidification for the structure.

The omnidirectional noise source is suspended from a hook screwed to the middle of the ceiling

4.2.3 PHOTOGRAPHS



Island Solo booth in position A

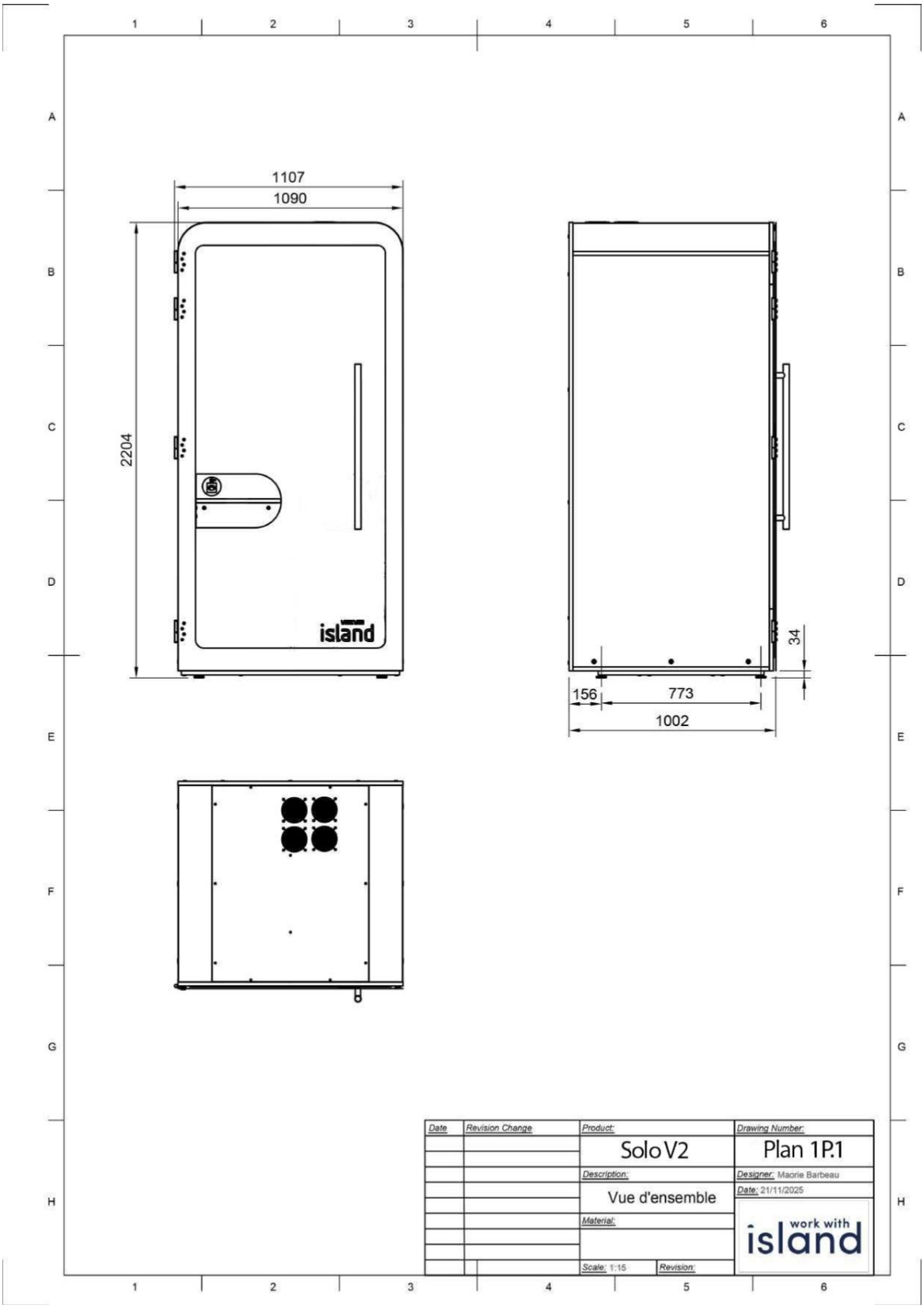


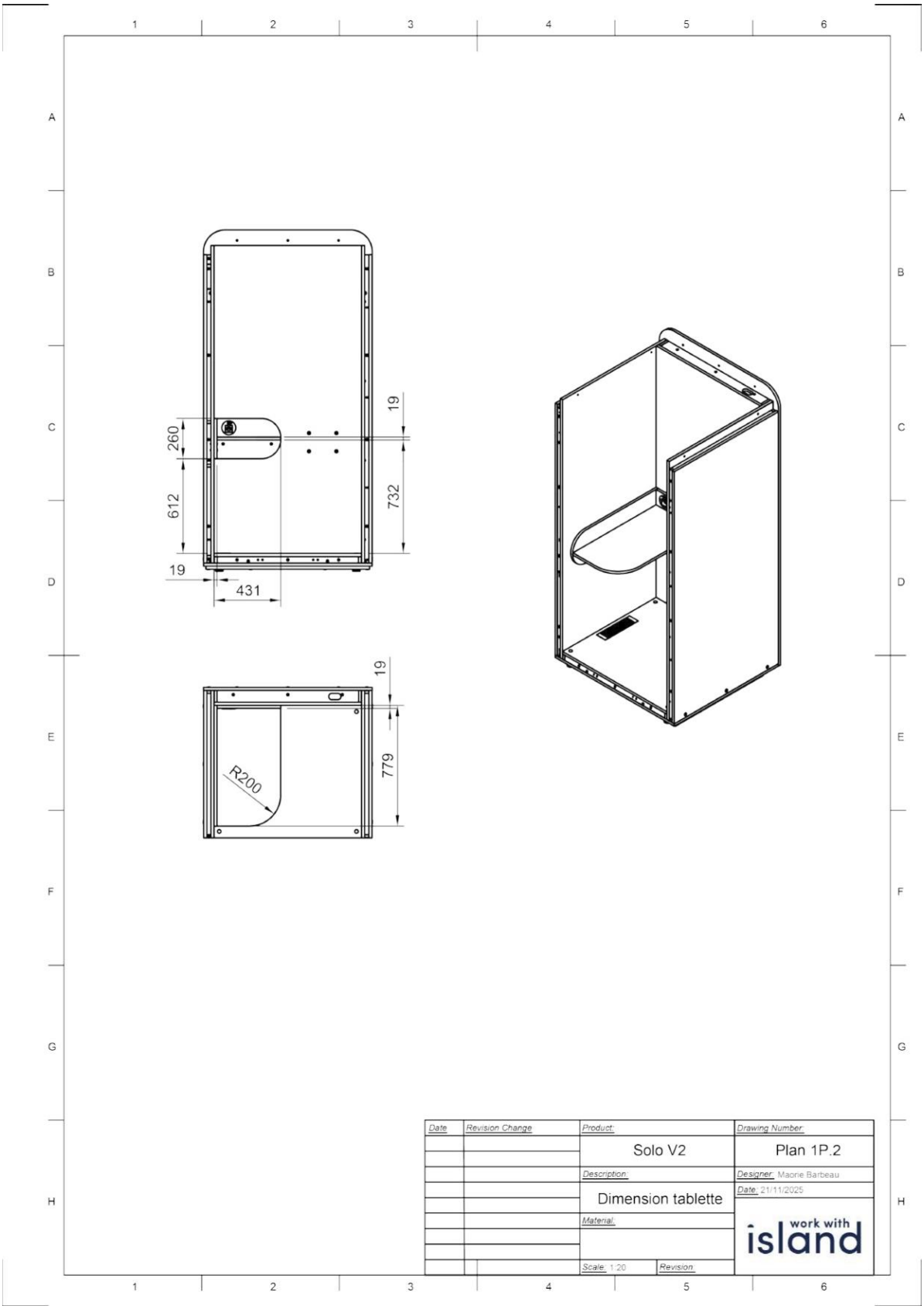
Island Solo booth in position B



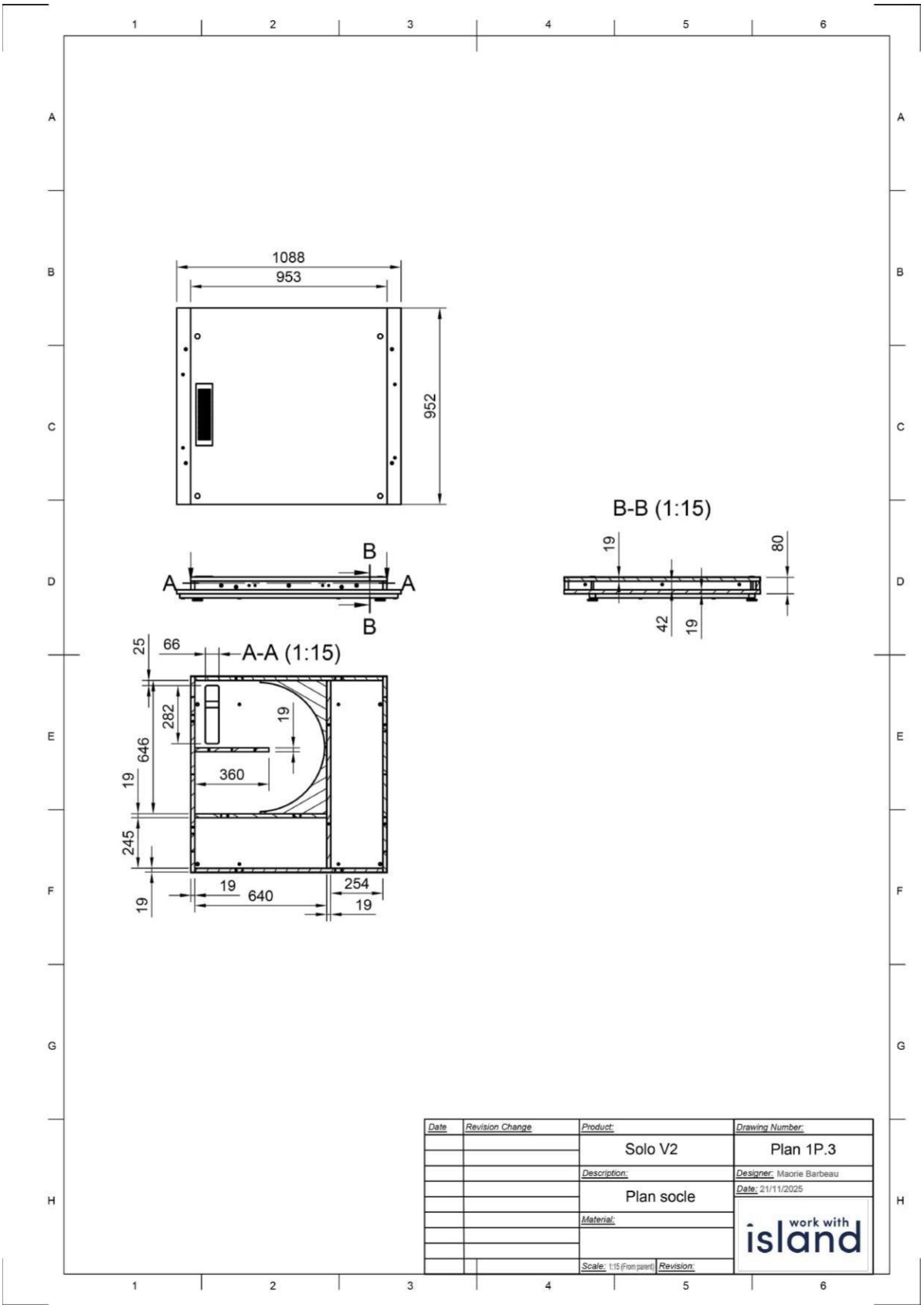
Island Solo booth (without bench)

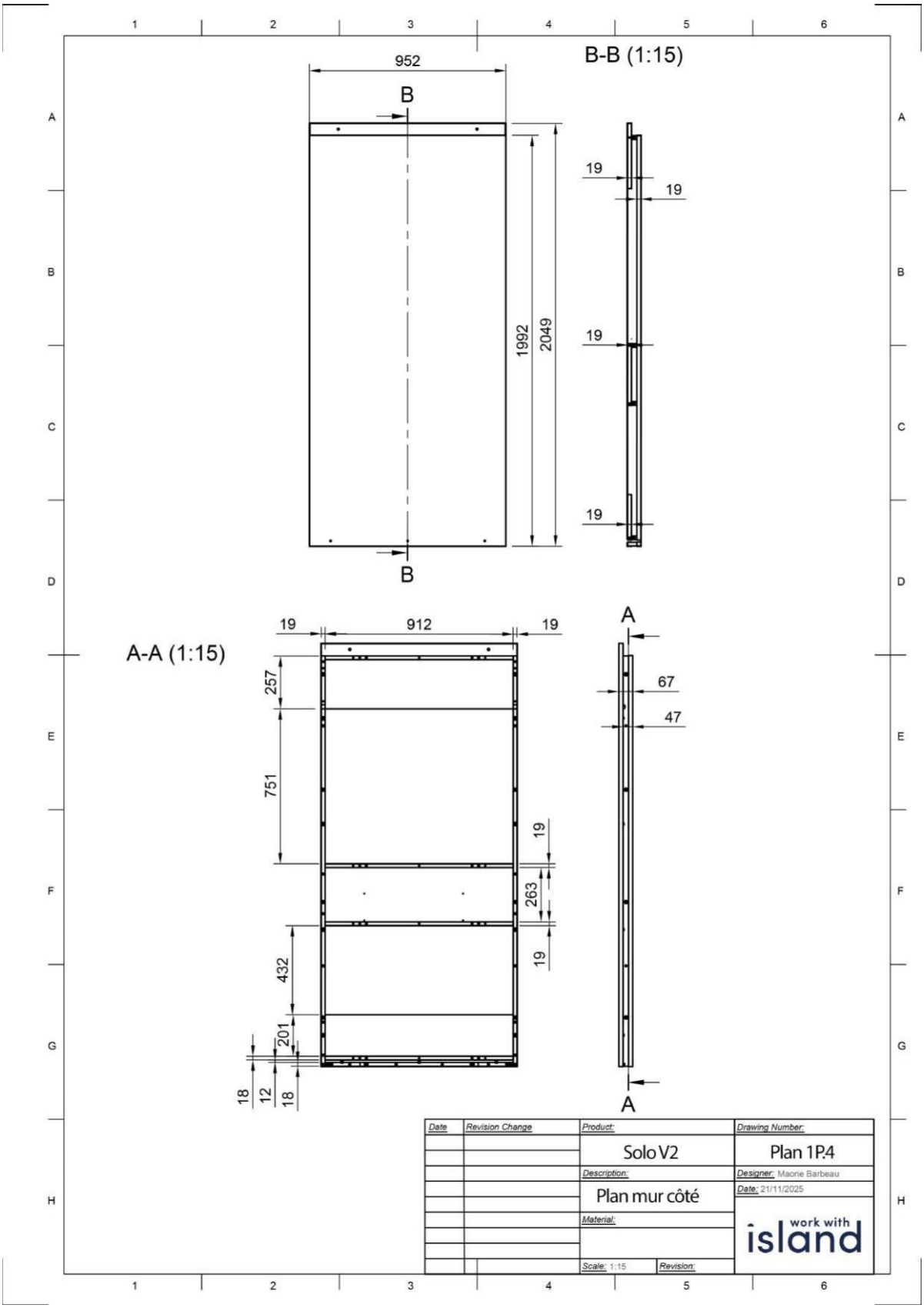
4.2.4 DRAWINGS PROVIDED BY THE REQUESTER

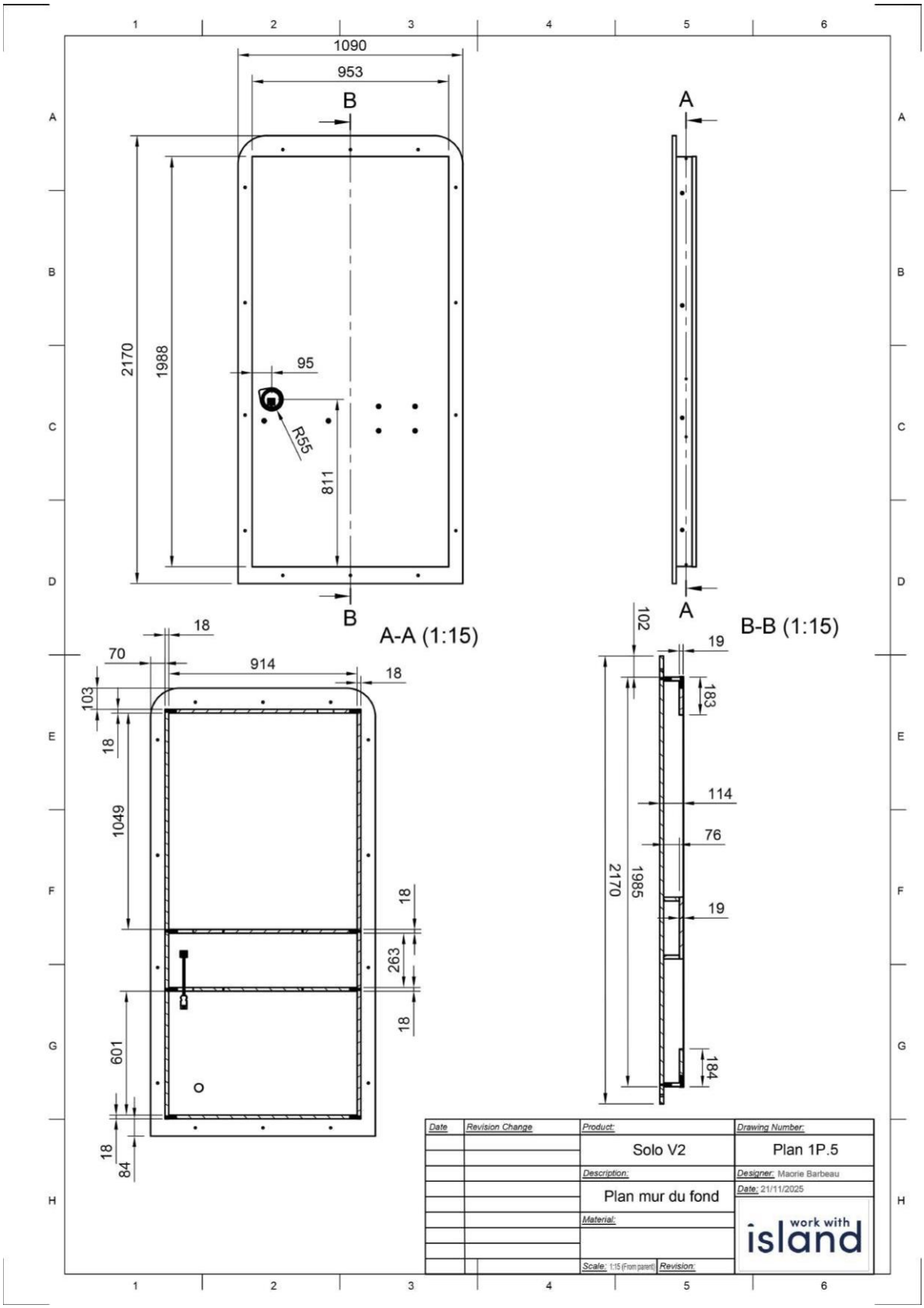


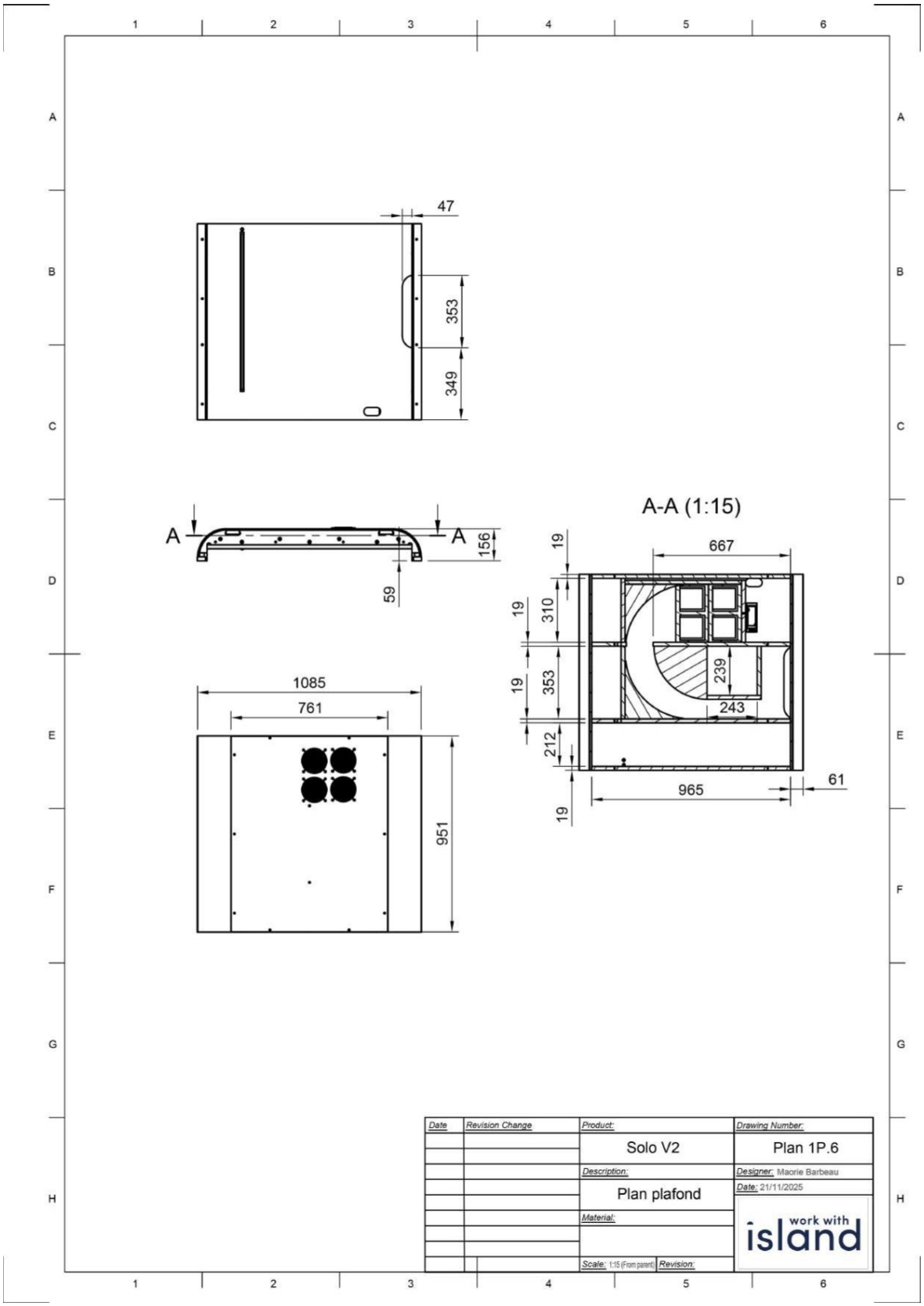


Date	Revision Change	Product:	Drawing Number:
		Solo V2	Plan 1P.2
		Description:	Designer: Maorie Barbeau
		Dimension tablette	Date: 21/11/2025
		Material:	work with island
		Scale: 1:20 Revision:	


1088
953
952
B
A
A
B
B-B (1:15)
19
80
42
19
A-A (1:15)
25
66
282
19
646
360
19
245
19
640
254
19
Date
Revision Change
Product:
Solo V2
Drawing Number:
Plan 1P.3
Description:
Plan socle
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:15 (From parent)
Revision:
work with island


B-B (1:15)
952
B
1992
2049
19
19
19
19
B
A-A (1:15)
19
912
19
257
751
19
263
19
432
201
18
12
18
A
67
47
A
Date
Revision Change
Product:
Solo V2
Drawing Number:
Plan 1P.4
Description:
Plan mur côté
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


1090
953
B
B
2170
1988
95
R55
811
A
A
102
19
183
114
76
19
184
2170
1985
A-A (1:15)
B-B (1:15)
18
70
914
18
103
18
1049
18
263
18
601
18
84
Date
Revision Change
Product:
Solo V2
Drawing Number:
Plan 1P.5
Description:
Plan mur du fond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:15 (From parent)
Revision:
work with island


47
353
349
A
A
156
59
A-A (1:15)
667
19
310
353
239
243
212
965
61
1085
761
951
Date
Revision Change
Product:
Solo V2
Drawing Number:
Plan 1P.6
Description:
Plan plafond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15 (From parent)
Revision:

4.2.5 TEST RESULTS

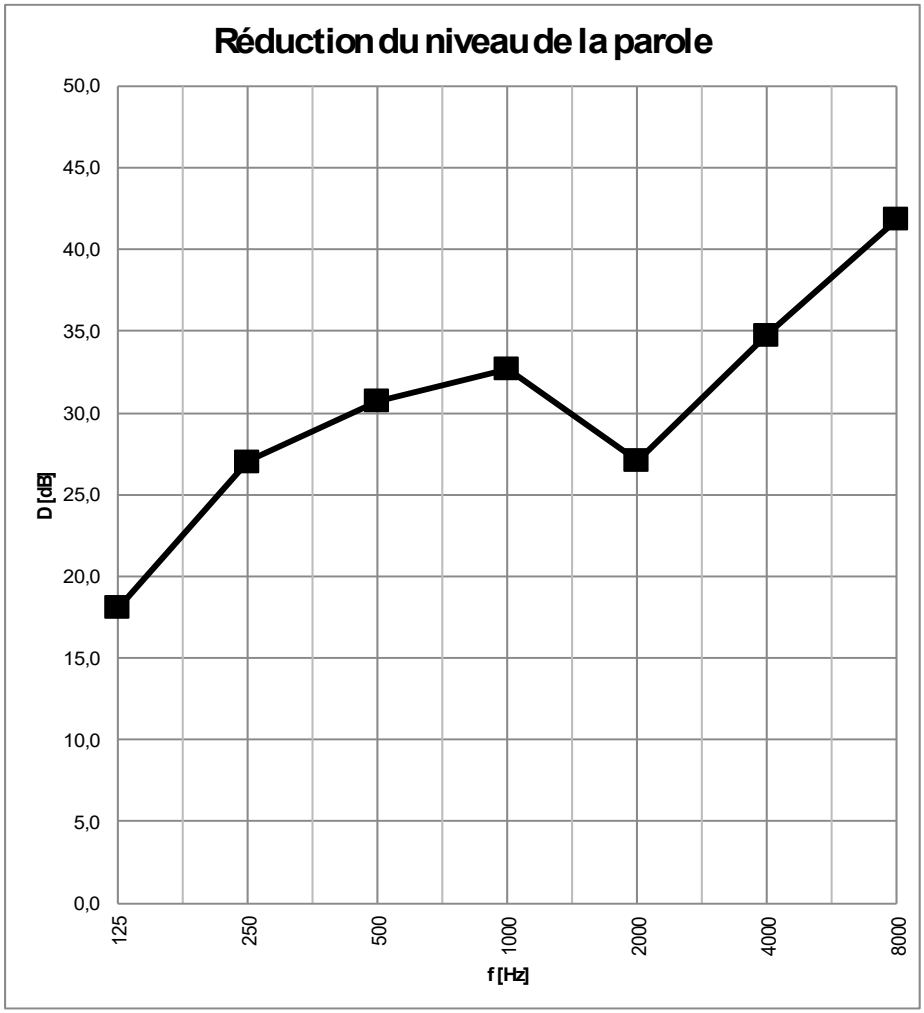
Acoustic booth: Island Solo
Test number: 2
Test date: 28/10/25

MAIN CHARACTERISTICS
Dimensions in mm (H x W) : 1,090 x 1,002 x 2,170

MEASUREMENT CONDITIONS
Room with sample
Temperature: 18 °C
Relative humidity: 50 %
Atmospheric pressure: 100 kPa

RESULTS

Fréquence *f* **Hz**	Réduction du niveau de la parole *D* **dB**
125	18,1
250	27,1
500	30,8
1000	32,7
2000	27,1
4000	34,8
8000	41,9
$D_{S,A}$	**30,2**



4.3 ACOUSTIC BOOTH: ISLAND DUO

4.3.1 DESCRIPTION

Test number: 3

External dimensions in mm (W x L x H): 1,970 x 1,002 x 2,170

DESCRIPTION

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
SIDE WALLS						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	955 x 1,995 Th. 1.5	300 g/m² ± 10%	
Inside coating	1.5 mm 100% polypropylene felt			955 x 2,055 Th. 1.5	300 g/m² ± 10%	
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	948 x 1,988.5 Th. 19	12.9 kg/m²± 10%	
Interior panel	3 agglomerated wood reinforcements with melamine coating			316 x 911.5 300 x 911.5 231 x 911.5 Th. 19	12.9 kg/m² ± 10%	
Frame	Plywood	/	REGNIER	2 parts 1,954 x 46 2 parts 948.5 x 46 Th. 19.6 (18 wood + 2 x 0.8 melamine)	0.75 g/cm³ ± 0.05	
Insulation	Recycled cotton panels	Métisse RT	LE RELAIS	910 x 1,950.5 Th. 60	20 kg/m³	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
REAR WALLS						
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	1,970 x 2,170 Th. 19	12.9 kg/m² ± 10%	
Interior panel	6 agglomerated wood reinforcements with melamine coating			2 parts 300 x 913.5 4 parts 165 x 913 Th. 19	12.9 kg/m² ± 10%	
Frame	Plywood	/	REGNIER	2 parts 1,984 x 98 2 parts 918 x 98 Th. 19.6 (18 wood + 2 x 0.8 melamine)	0.75 g/cm³ ± 0.05	
Insulation	Recycled cotton panels	Métisse RT	LE RELAIS	1,755 x 1,948.5 Th. 60	20 kg/m³	
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,990 x 1,900 Th. 1.5	300 g/m² ± 10%	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
BASE						
Frame	4 agglomerated wood reinforcements with melamine coating	H3157 ST12	EGGER	2 parts 1,830 x 42 2 parts 948.5 x 42 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			1,830 x 94.5 Th. 19		
Exterior panel	Agglomerated wood with melamine coating			1,968 x 948.5 Th. 19		
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,890 x 1,000 Th. 1.5	300 g/m² ± 10%	
Ventilation	2 ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 Th. 40	22 - 24kg/m^3	
CEILING						
Exterior panel	MDF	E1E05 TSCA MB	EGGER	2,119 x 951.5 Th. 6	670 - 730 kg/m^3	
Frame	6 19-mm agglomerated wood cross members with melamine coating	H3157 ST12		4 parts 1,946 x 70 2 parts 949.5 x 24.5 Th. 19	12.9 kg/m² ± 10%	
Interior panel	19-mm agglomerated wood with melamine coating			1,876 x 950	12.9 kg/m² ± 10%	
Ventilation	Ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 Th. 70	12.9 kg/m² ± 10%	
	4 fans on PU foam support	P12	ARCTIC	120 x 120 x 25	/	
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	2,180 x 951.5 Th. 1.5	300 g/m² ± 10%	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
OPENING						
Glazing	Sécurit glass	Customised part	SAINT GOBAIN	2 doors 981 x 2,170 Th. 8	2.5 g/cm³ ± 1 %	
Assembly of the glazing	8 x hinges	Customised part	EUROFIT	Open: 94.1 x 102 x 3 Closed: 54.1 x 102 x 3	7.9 g/cm³ ± 0.1 g/cm³	
Opening/frame seal	2x TPE door seals	S 6577a	DEVENTER	12 x 12 x 6,000	1.05 g/cm³ ± 10 %	
Frame	Plywood	Customised material and part	REGNIER	1,970 x 2,170 Th. 19.6	0.75 g/cm³ ± 0.05 g/cm³	
Iron work / locking	Magnets (frame) / steel plate (door)	Q-60-30-15-N	SUPERMAGNET	60 x 30 x 15	7.4 g/cm³ ± 0.1 g/cm³	

In accordance with the General Terms of Service Provision, the information pertaining to the description of the products and the data identified by (*) are provided by the requester and fall under its full responsibility.

4.3.2 IMPLEMENTATION

(The dimensions are given in mm.)

The walls are assembled together and on the base using capping nuts with a diameter of 8 mm, 14 screws at the front and 14 screws at the rear. 4 exterior screws and 4 interior screws provide rigidification for the structure.

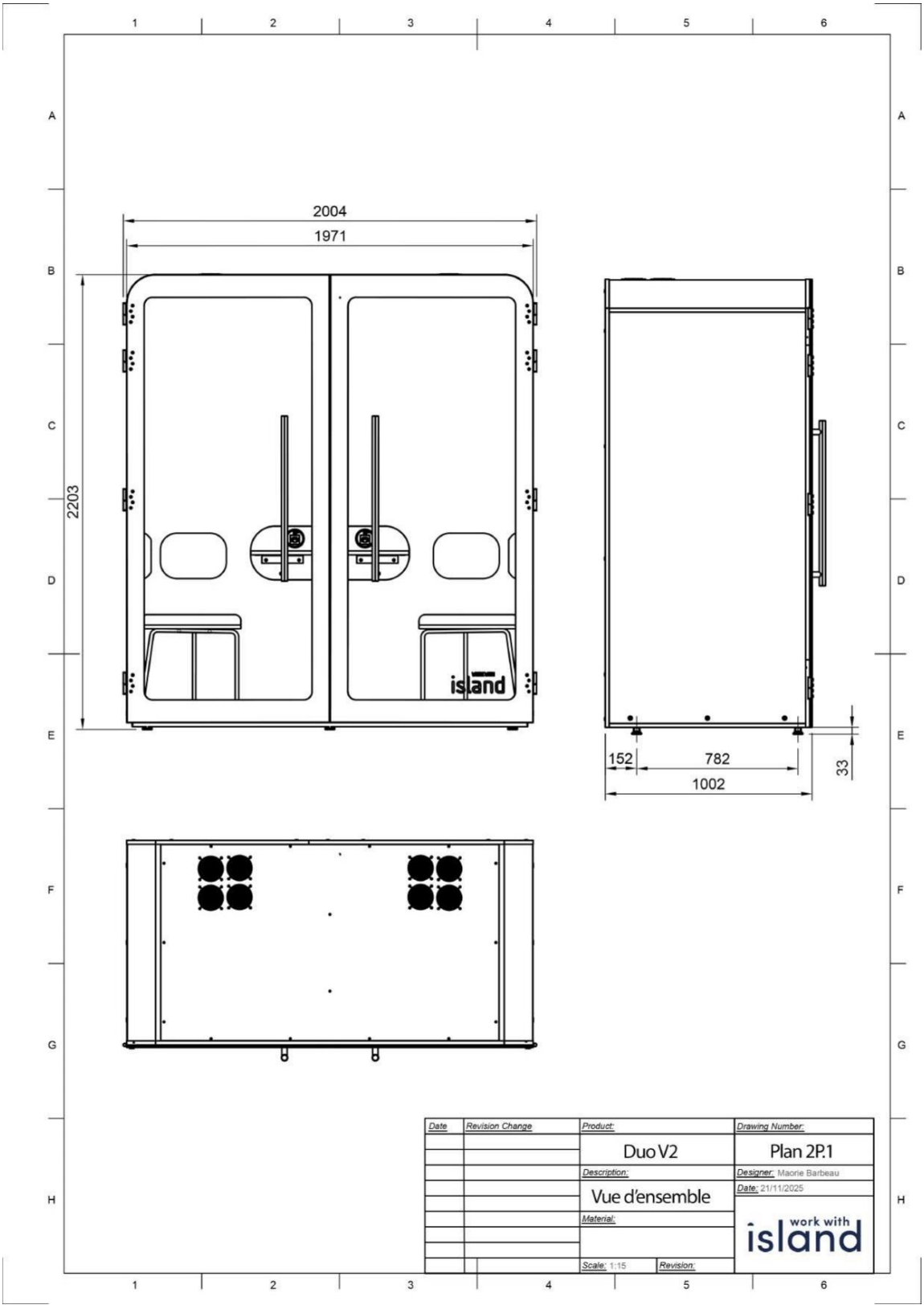
The omnidirectional noise source is suspended from a hook screwed to the middle of the ceiling

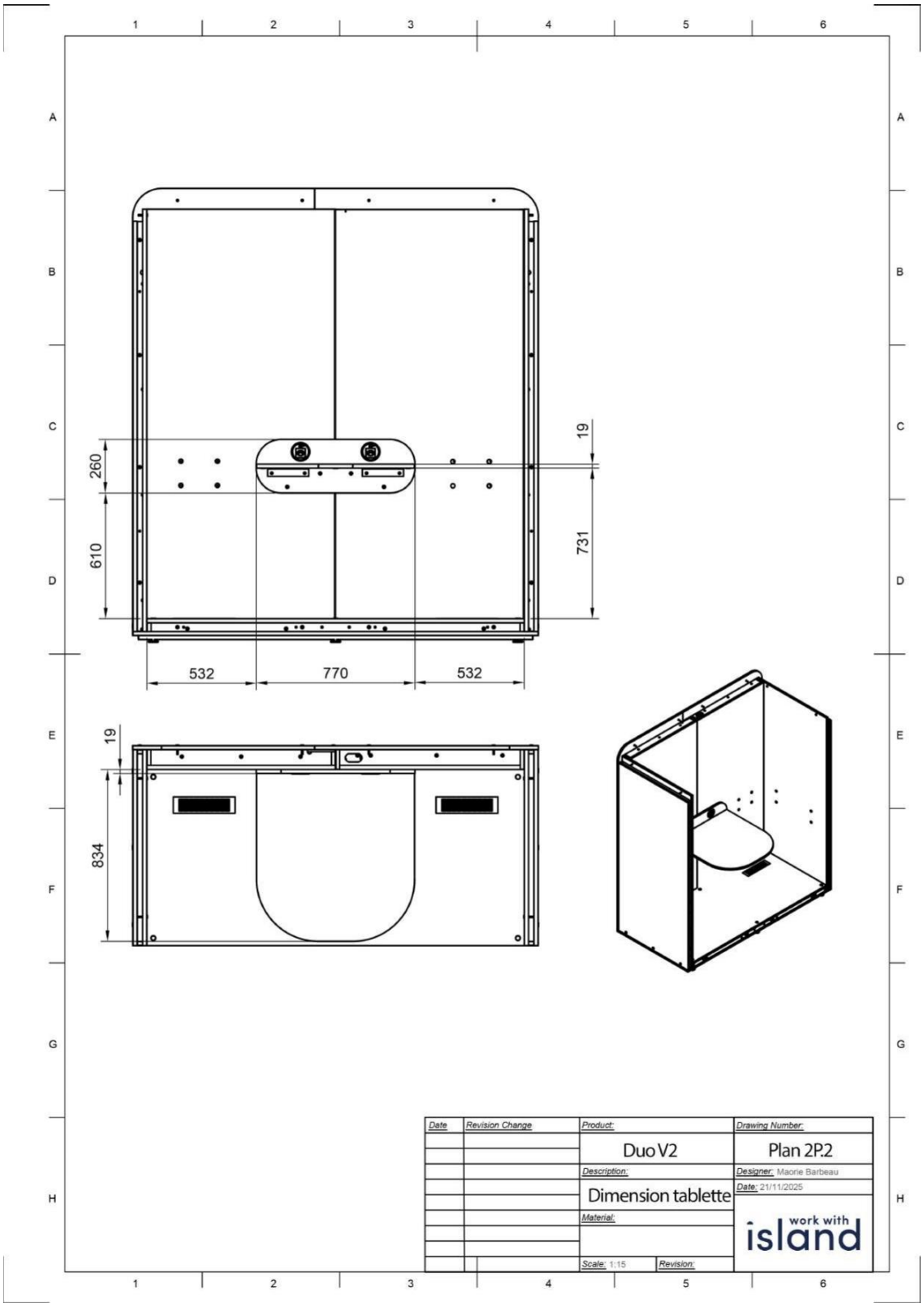
4.3.3 PHOTOGRAPHS

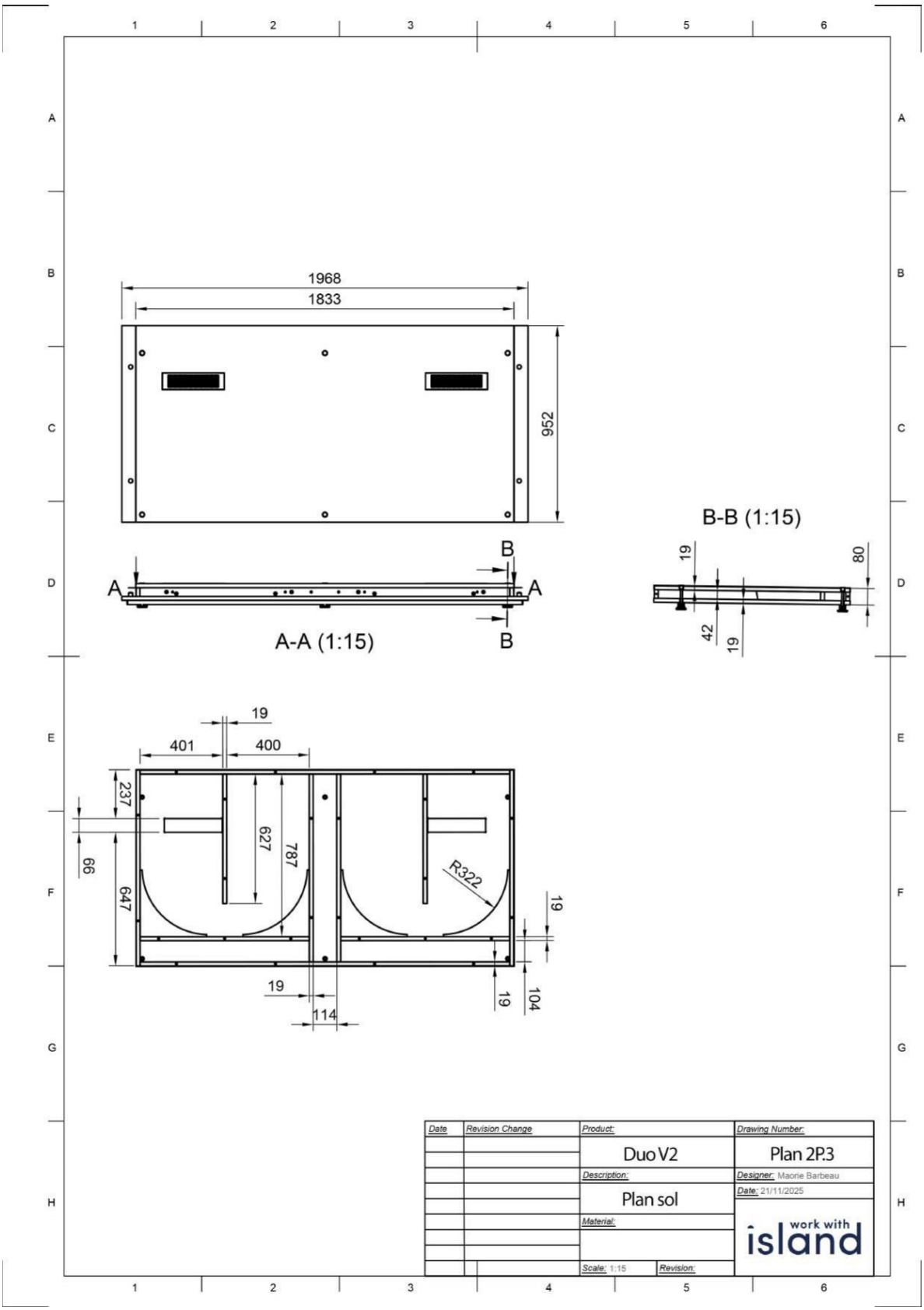


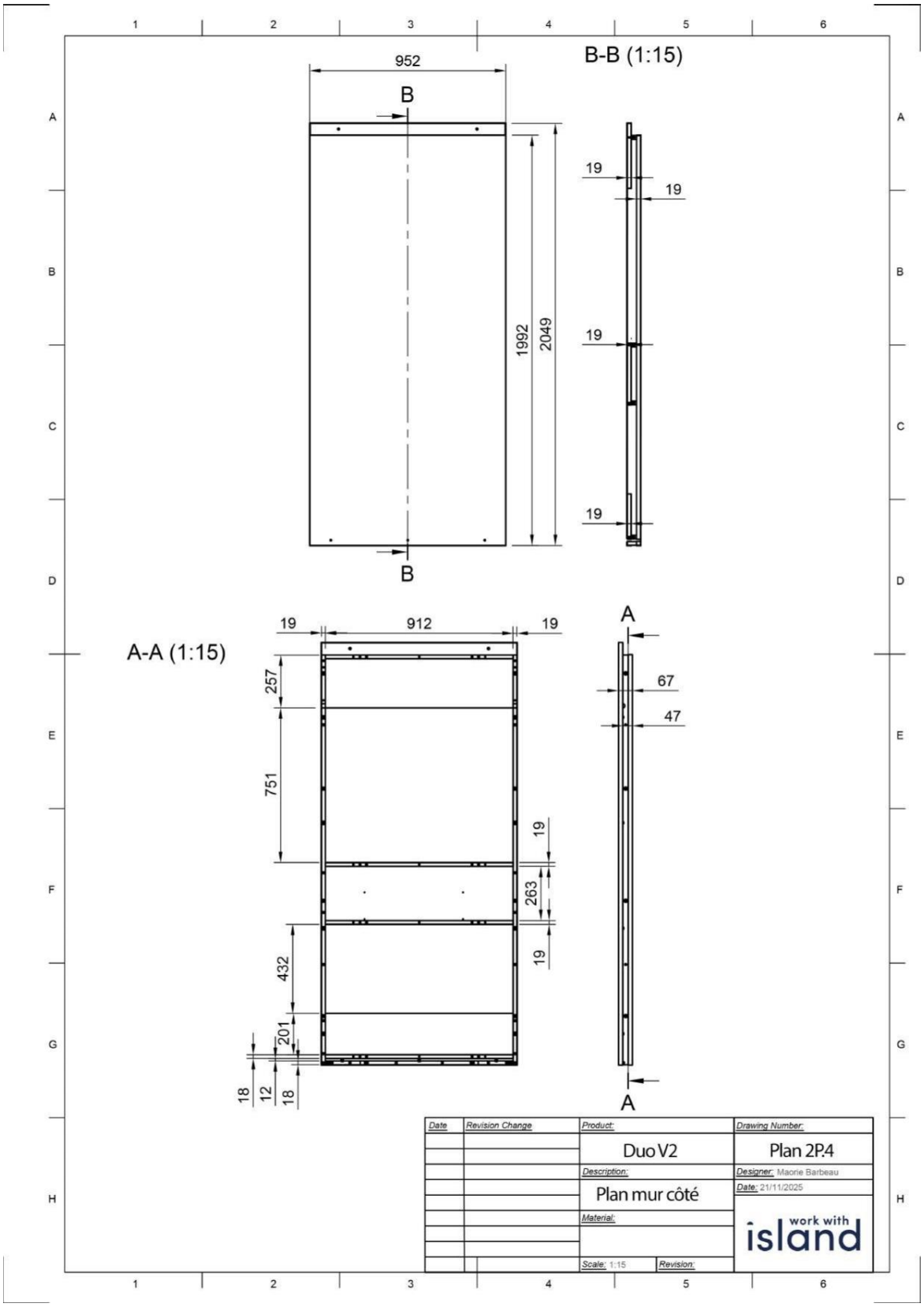
Island Duo booth in position A

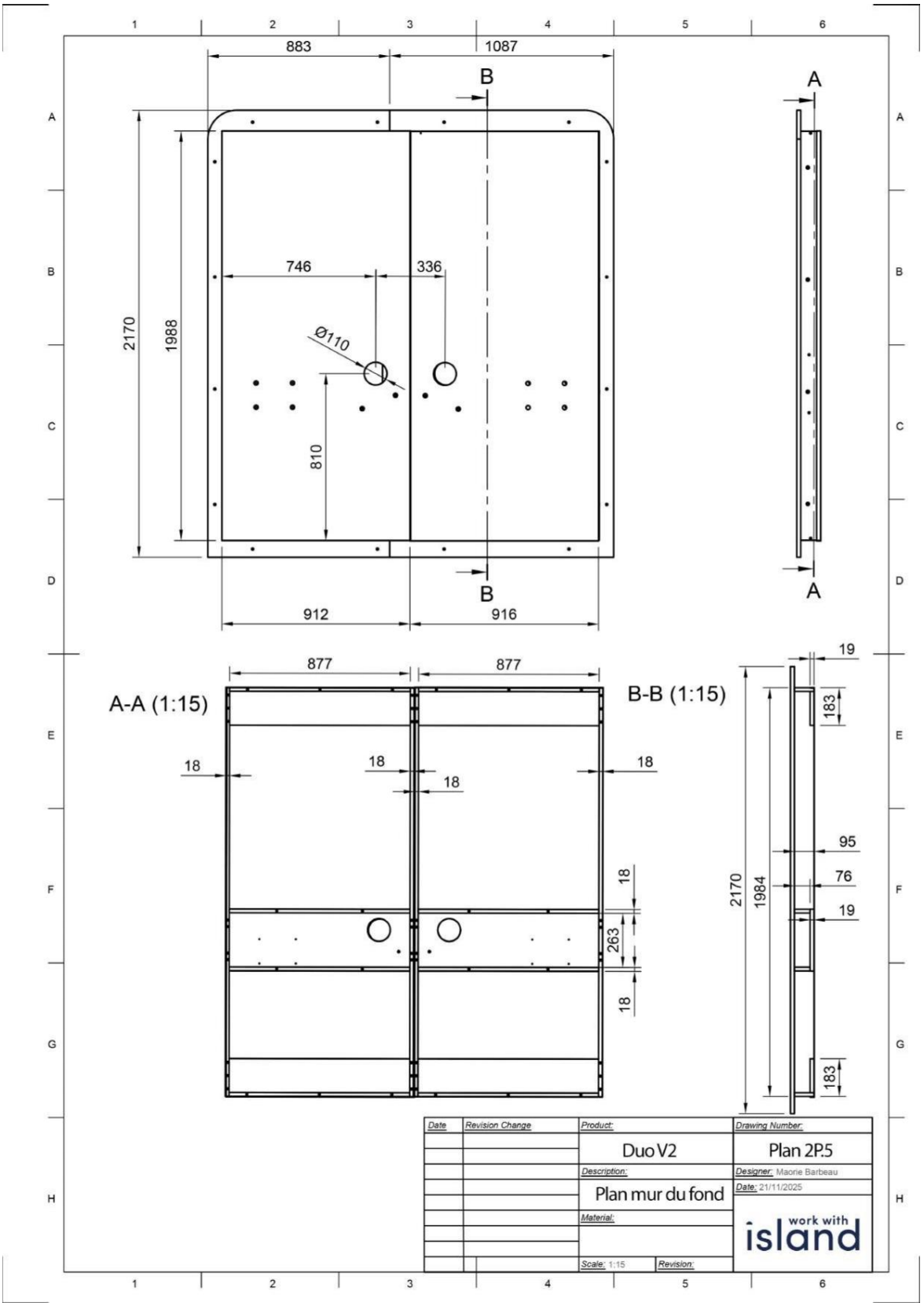
4.3.4 DRAWINGS PROVIDED BY THE REQUESTER

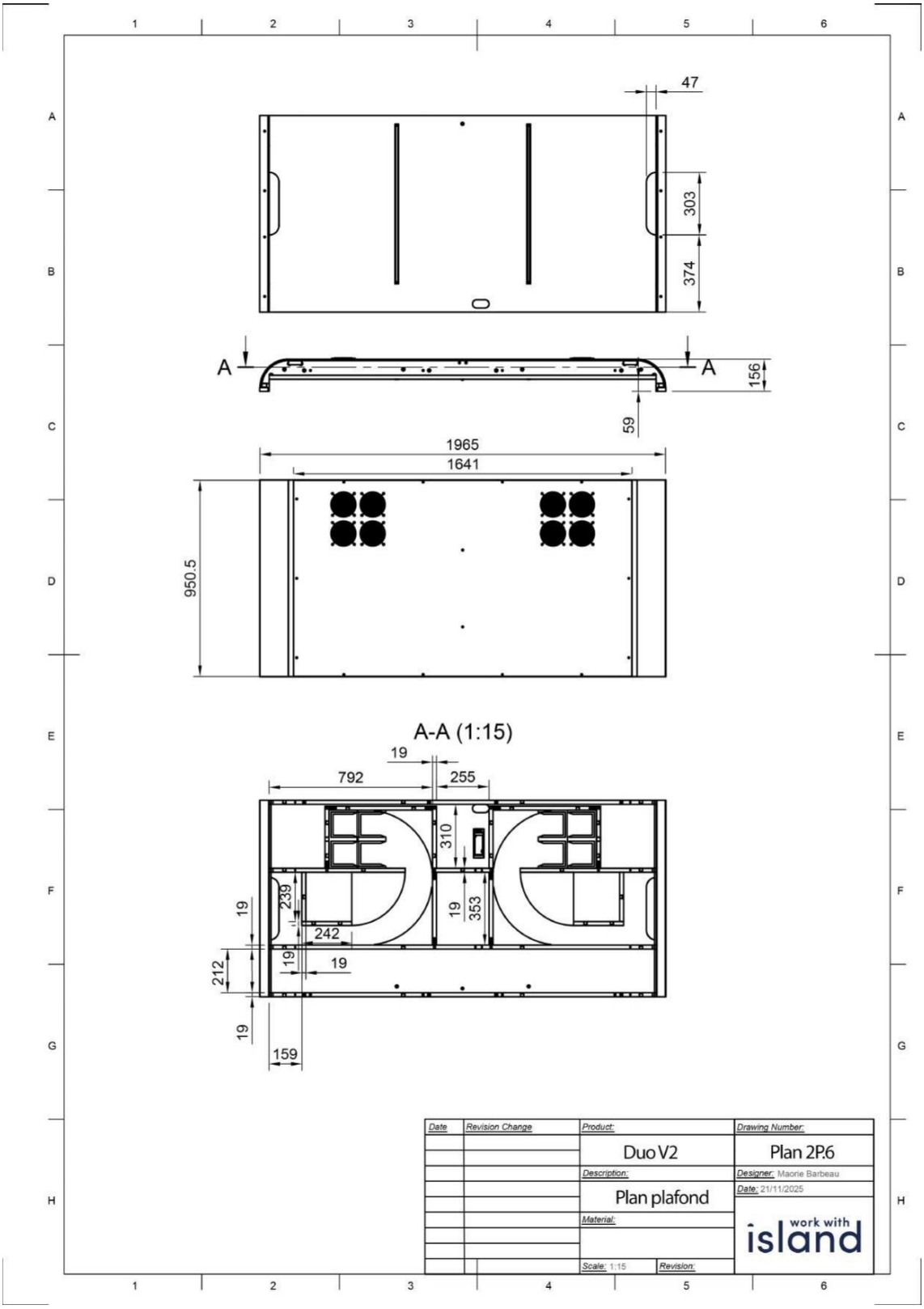



260
610
19
731
532
770
532
19
834
Date
Revision Change
Product:
Duo V2
Drawing Number:
Plan 2P.2
Description:
Dimension tablette
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


1968
1833
256
A
A
B
B
A-A (1:15)
B-B (1:15)
19
80
42
19
19
401
400
237
66
627
787
647
R322
19
19
19
104
114
Date
Revision Change
Product:
Duo V2
Drawing Number:
Plan 2P.3
Description:
Plan sol
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


B-B (1:15)
952
B
1992
2049
19
19
19
19
B
A-A (1:15)
19
912
19
257
751
19
263
19
432
201
18
12
18
A
67
47
A
Date
Revision Change
Product:
Duo V2
Drawing Number:
Plan 2P.4
Description:
Plan mur côté
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


883
1087
B
A
746
336
2170
1988
Ø110
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912
916
A-A (1:15)
877
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18
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18
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263
18
B-B (1:15)
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183
95
76
19
2170
1984
183
Date
Revision Change
Product:
Duo V2
Drawing Number:
Plan 2P.5
Description:
Plan mur du fond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:15
Revision:
work with island


47
303
374
A
A
156
59
1965
1641
950.5
A-A (1:15)
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792
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310
239
19
353
19
242
212
19
19
19
159
Date
Revision Change
Product:
Duo V2
Drawing Number:
Plan 2P.6
Description:
Plan plafond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:

4.3.5 TEST RESULTS

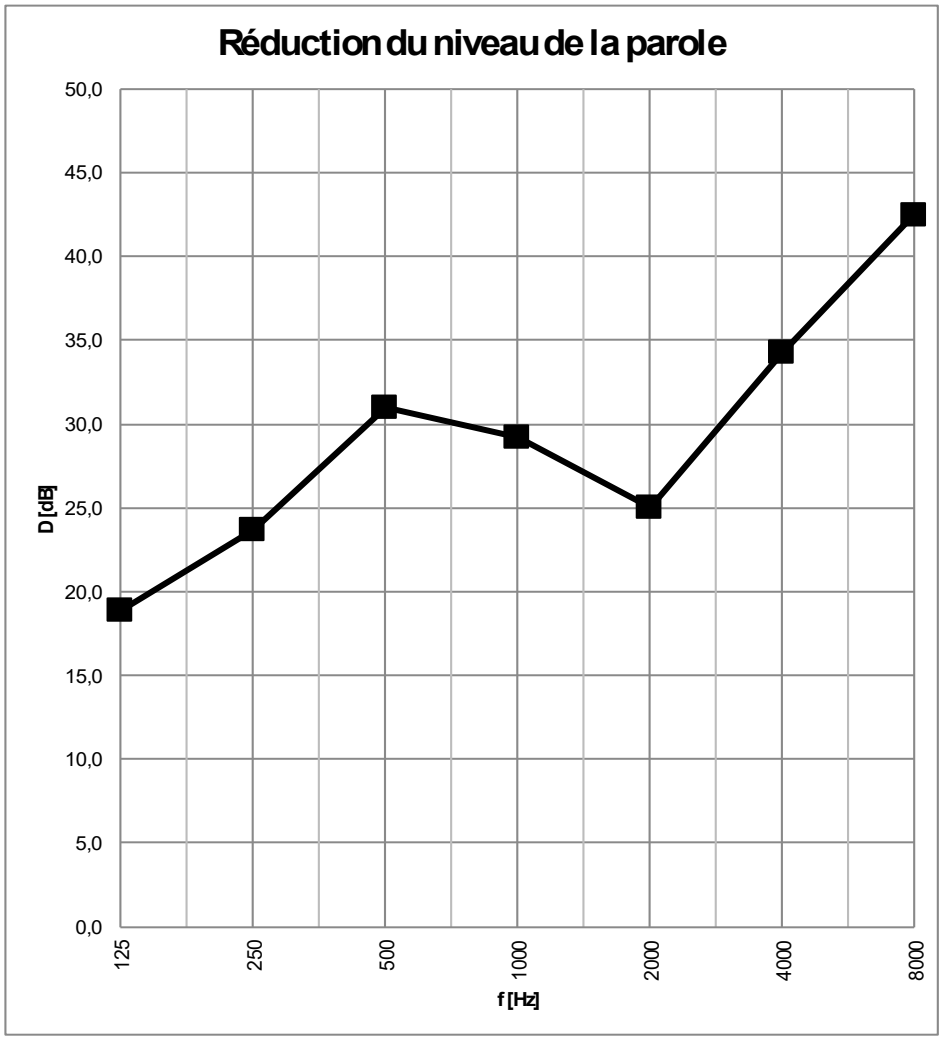
Acoustic booth: Island Duo
Test number: 3
Test date: 28/10/25

MAIN CHARACTERISTICS
Dimensions in mm (H x W) : 1,970 x 1,002 x 2,170

MEASUREMENT CONDITIONS
Room with sample
Temperature: 18 °C
Relative humidity: 50 %
Atmospheric pressure: 100 kPa

RESULTS

Fréquence *f* **Hz**	Réduction du niveau de la parole *D* **dB**
125	18,9
250	23,7
500	31,0
1000	29,3
2000	25,1
4000	34,3
8000	42,5
$D_{S,A}$	**28,7**



4.4 ACOUSTIC BOOTH: ISLAND QUATTRO

4.4.1 DESCRIPTION

Test number: 4

External dimensions in mm (W x L x H): 2,004 x 1,420 x 2,204

DESCRIPTION

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
SIDE WALLS						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,400 x 1,995 Th. 1.5	300 g/m² ± 10%	
Inside coating				1,450 x 2,055 Th. 1.5		
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	1,351.5 x 1,988.5 Th. 19	12.9 kg/m² ± 10%	
Interior panel	3 agglomerated wood reinforcements with melamine coating			316 x 1,311.5 300 x 1,311.5 231 x 1,311.5 Th. 19	12.9 kg/m² ± 10%	
Frame	Plywood	/	REGNIER	2 parts 1,954 x 46 2 parts, 1,351.5 x 46 Th. 19.6 (18 wood + 2 x 0.8 melamine)	± 0.75 g/cm³ ± 0.05 g/cm³	
Insulation	Recycled cotton panels	Métisse RT	LE RELAIS	1,313.5 x 1,950.5 Th. 60	20 kg/m³	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
REAR WALLS						
Exterior panel	Agglomerated wood with melamine coating	H3157 ST12	EGGER	1,970 x 2,170 Th. 19	12.9 kg/m² ± 10%	
Interior panel	6 agglomerated wood reinforcements with melamine coating			2 parts 300 x 913.5 4 parts 165 x 913 Th. 19	12.9 kg/m² ± 10%	
Frame	Plywood	Customised material and part	REGNIER	2 parts 1,984 x 98 2 parts 918 x 98 Th. 19.6	± 0.75 g/cm³ ± 0.05 g/cm³	
Insulation	Recycled cotton panels	Métisse	LE RELAIS	1,755 x 1,948.5 Th. 60	20 kg/m³	
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,990 x 1,900 Th. 1.5	300 g/m² ± 10%	

Test report no. AC25-58172

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
BASE						
Frame	4 agglomerated wood reinforcements with melamine coating	H3157 ST12	EGGER	2 parts 1,830 x 42 2 parts 1,348.5 x 42 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			1,830 x 1,348.5 Th. 19	12.9 kg/m² ± 10%	
Exterior panel	Agglomerated wood with melamine coating			1,968 x 1,351.5 Th. 19	12.9 kg/m² ± 10%	
Inside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	1,890 x 1,400	300 g/m² ± 10%	
Ventilation	2 ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281	/	
CEILING						
Outside coating	100% polypropylene felt	EXPOSTYLE	SOMMER	2,180 x1,351.5 Th. 1.5	300 g/m² ± 10%	
Exterior panel	MDF	E1E05 TSCA MB	EGGER	2,119 x 1,351.5 Th. 6	670 - 730 kg/m^3	
Frame	6 agglomerated wood cross members with melamine coating	H3157 ST12		4 parts 1,946 x 70 2 parts 1,349.5 x 24.5 Th. 19	12.9 kg/m² ± 10%	
Interior panel	Agglomerated wood with melamine coating			1,876 x 1,351.5 Th. 19	12.9 kg/m² ± 10%	
Ventilation	Ventilation channels with foam sound attenuators	PU foam	CARPENTER	281 x 281 Th. 70	12.9 kg/m² ± 10%	
	4 fans on PU foam support	P12	ARCTIC	120 x 120 x 25	22 - 24kg/m^3	

Designation	Type/Composition (*)	Reference (*)	Manufacturer (*)	Dimensions (mm)	Nominal weight (*).	Miscellaneous (*)
OPENING						
Glazing	Sécurit glass	Customised part	SAINT GOBAIN	2 doors 981 x 2,170 Th. 8	2.5 g/cm³ ± 1 %	
Assembly of the glazing	8 x hinges	Customised part	EUROFIT	Open: 94.1 x 102 x 3 Closed: 54.1 x 102 x 3	7.9 g/cm³ ± 0.1 g/cm³	
Opening/frame seal	2x TPE door seals	S 6577a	DEVENTER	12 x 12 x 6,000	1.05 g/cm³ ± 10 %	
Frame	Plywood	Customised material and part	REGNIER	1,970 x 2,170 Th. 19.6	± 0.75 g/cm³ ± 0.05 g/cm³	
Iron work / locking	Magnets (frame) / steel plate (door)	Q-60-30-15-N	SUPER MAGNET	60 x 30 x 15	7.4 g/cm³ ± 0.1 g/cm³	

In accordance with the General Terms of Service Provision, the information pertaining to the description of the products and the data identified by (*) are provided by the requester and fall under its full responsibility.

4.4.2 IMPLEMENTATION

(The dimensions are given in mm.)

The walls are assembled together and on the base using capping nuts with a diameter of 8 mm, 16 screws at the front and 16 screws at the rear. 6 exterior screws and 4 interior screws provide rigidification for the structure.

The omnidirectional noise source is suspended from a hook screwed to the middle of the ceiling

4.4.3 PHOTOGRAPHS

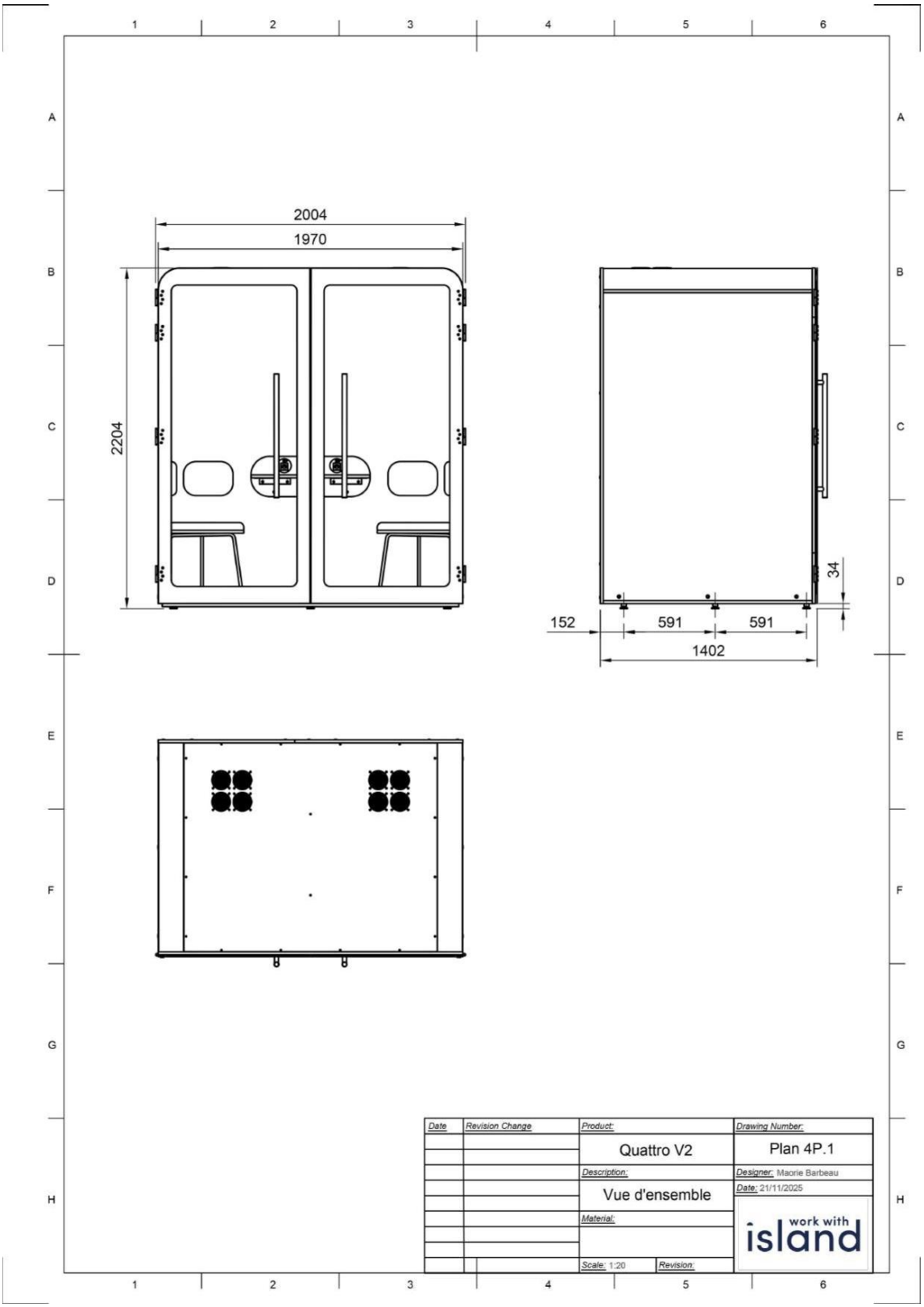


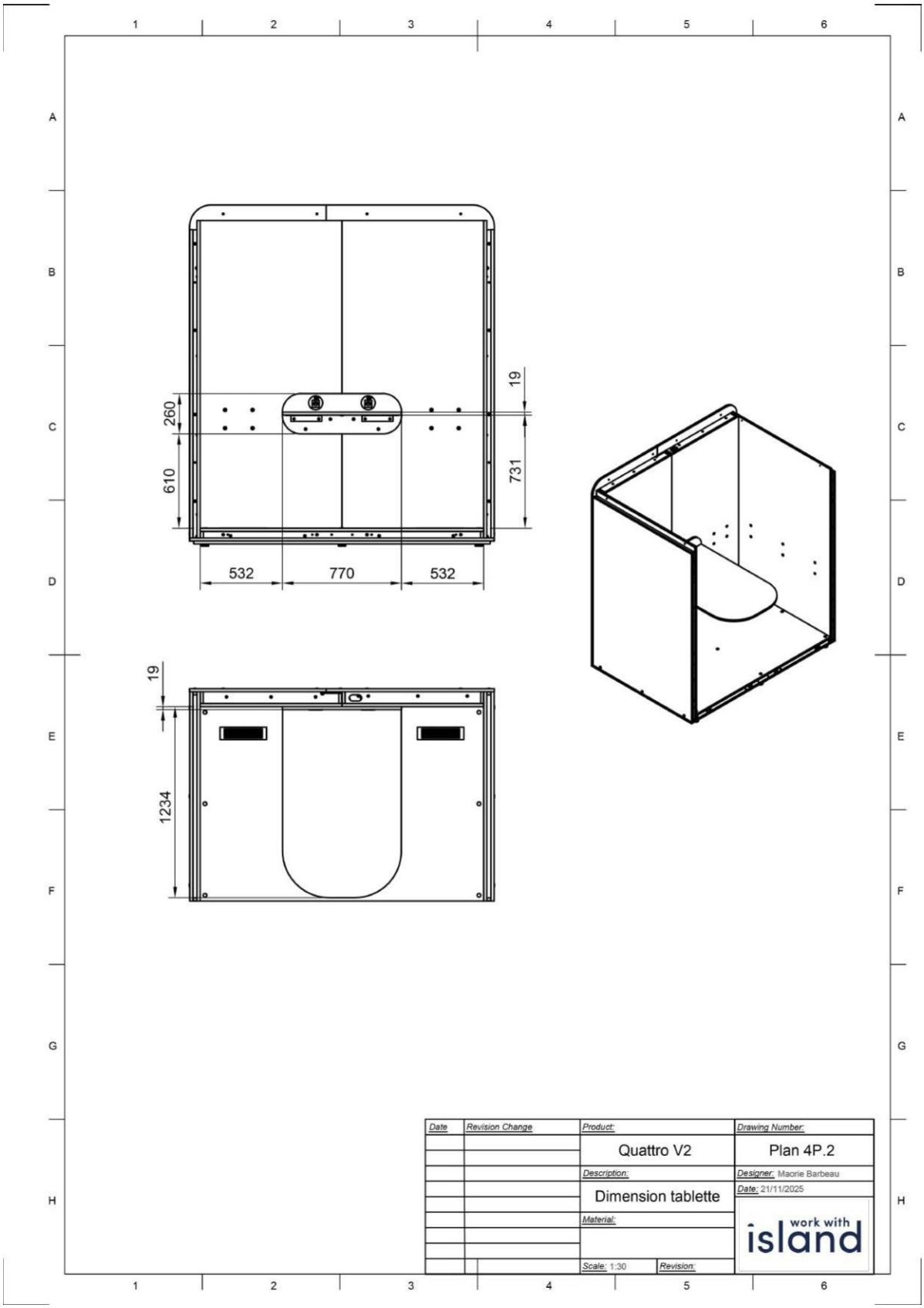
Island Quattro booth in position A

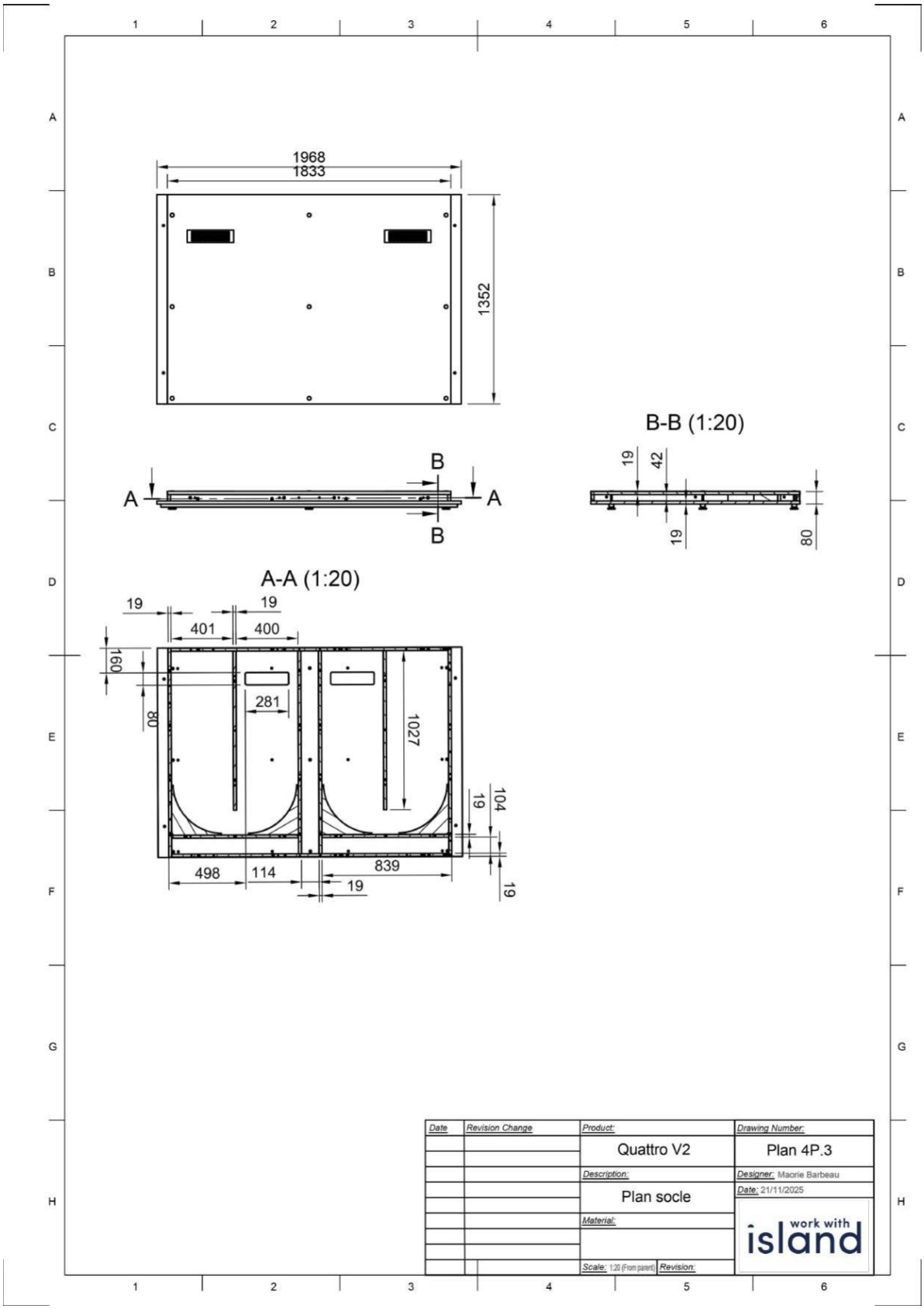


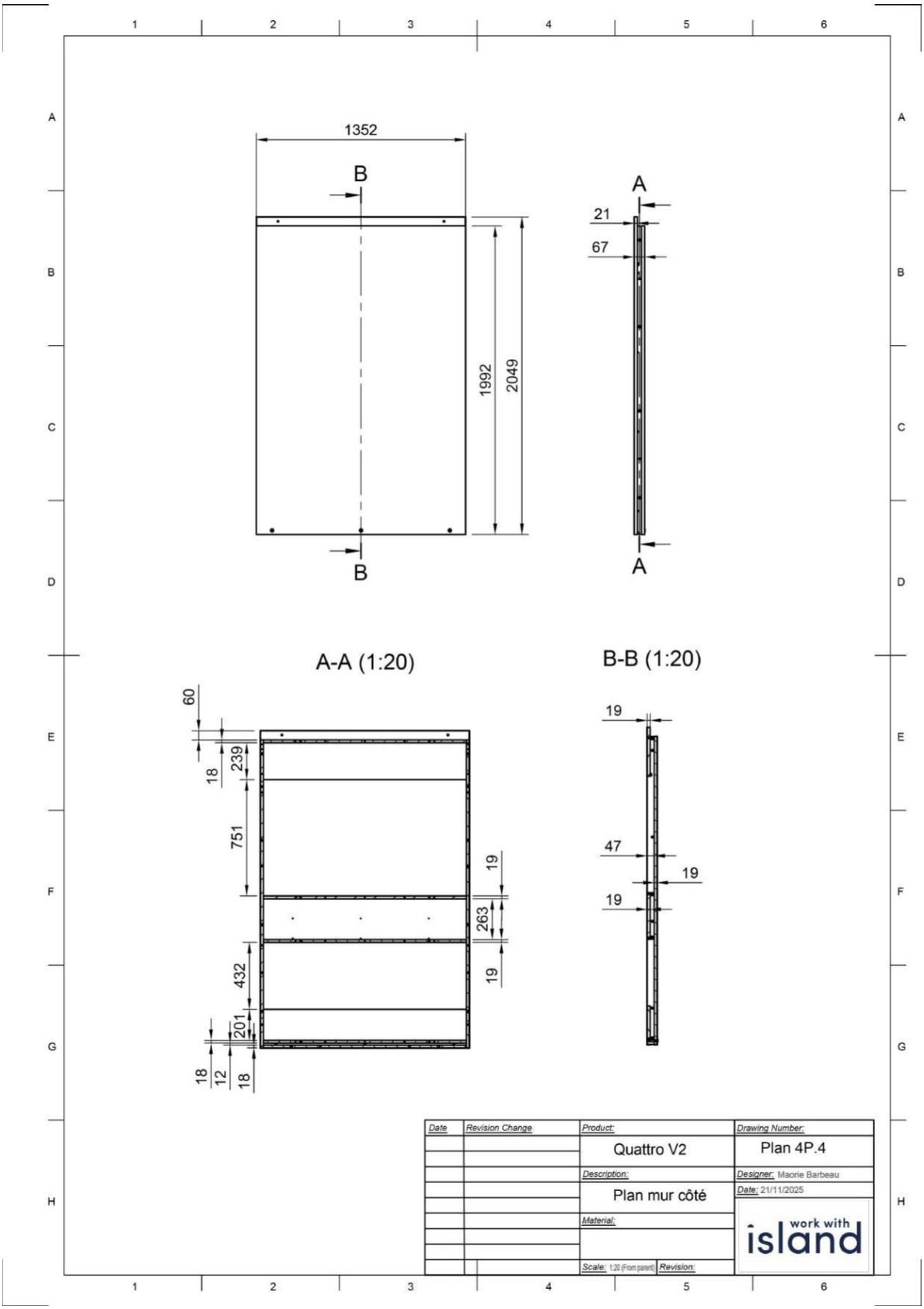
Island Quattro booth in position B

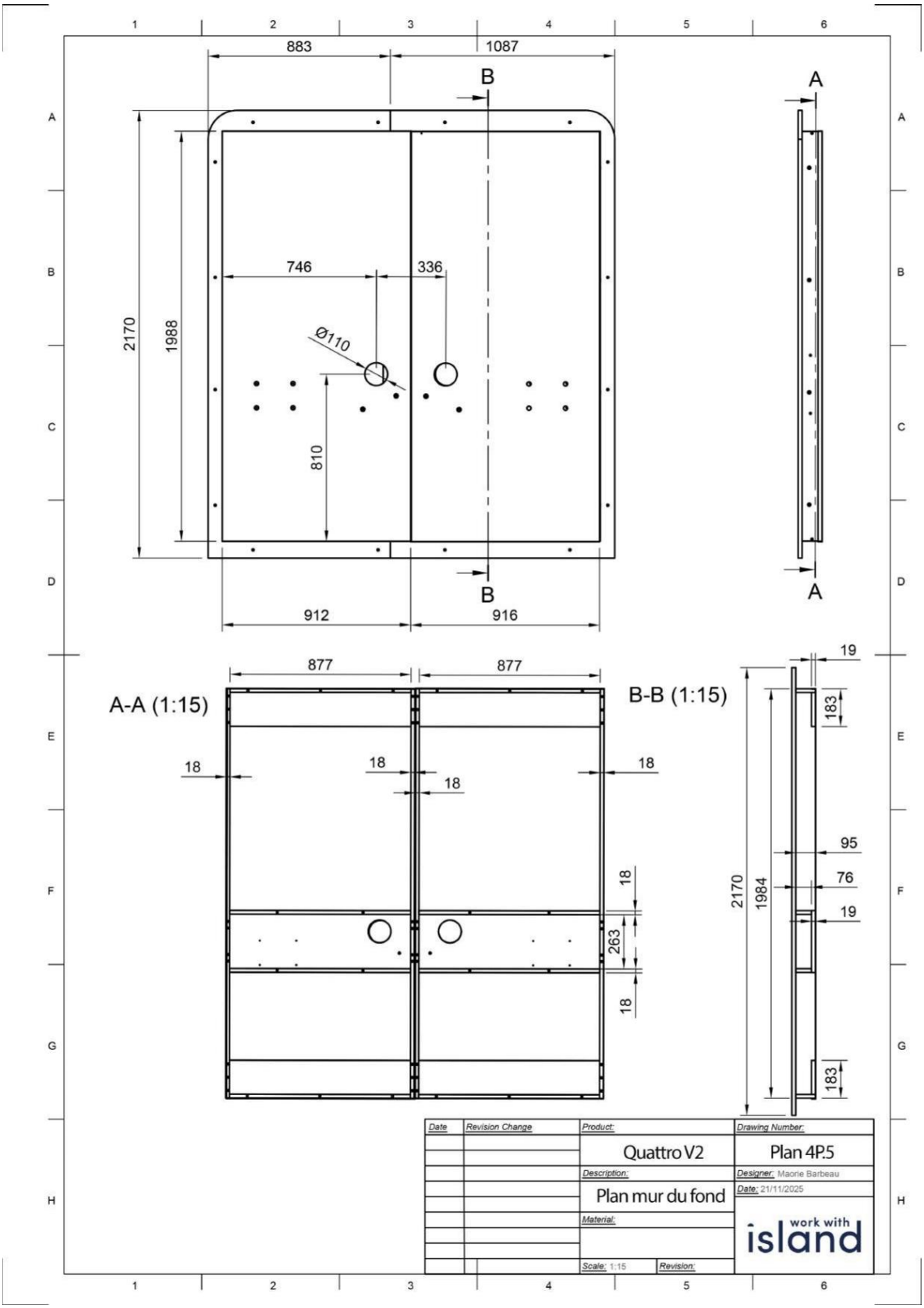
4.4.4 DRAWINGS PROVIDED BY THE REQUESTER

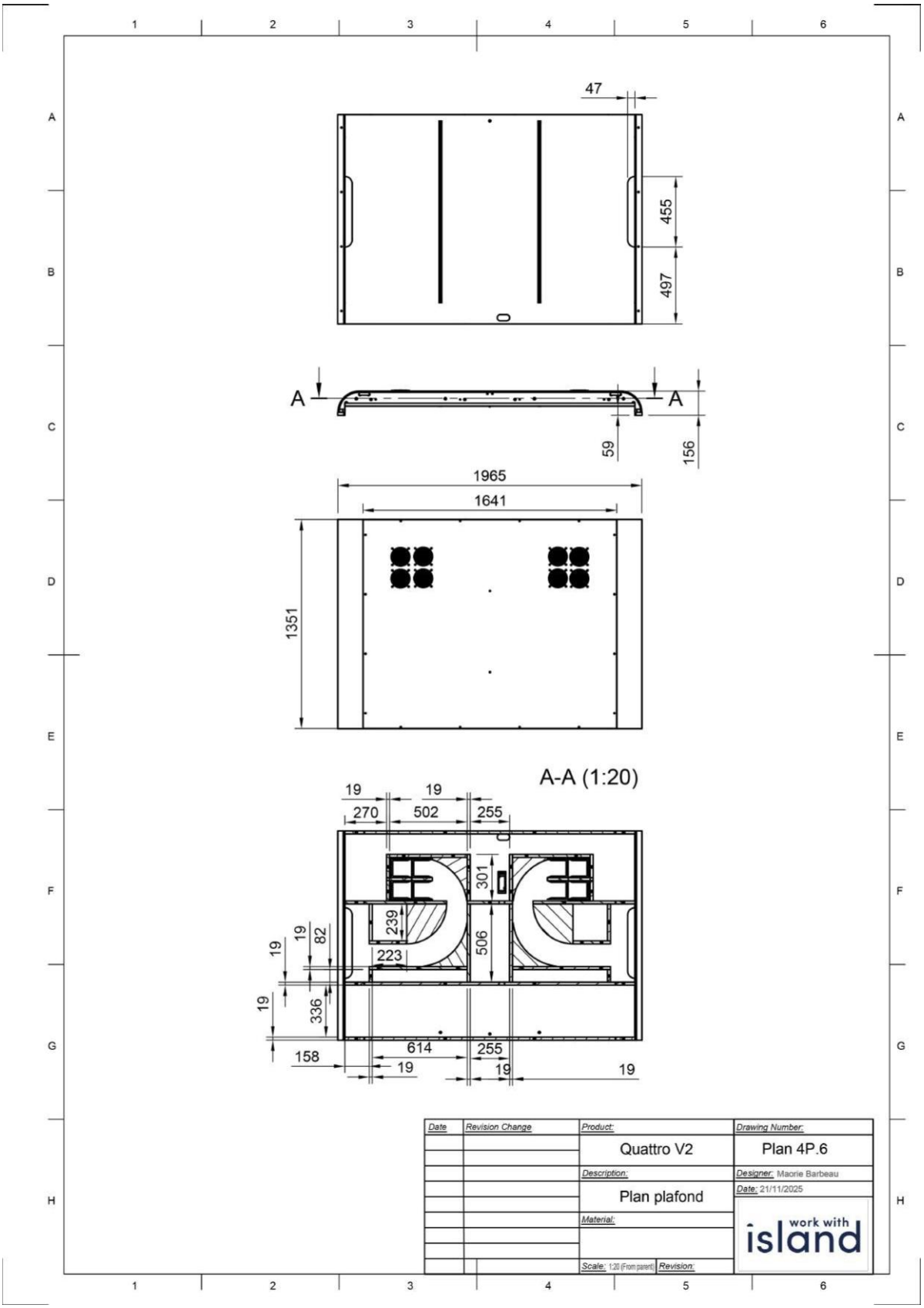



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D
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260
610
19
731
532
770
532
19
1234
Date
Revision Change
Product:
Quattro V2
Drawing Number:
Plan 4P.2
Description:
Dimension tablette
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:30
Revision:


1968
1833
1352
B-B (1:20)
19
42
19
80
A
B
B
A
A-A (1:20)
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281
1027
19
104
498
114
839
19
19
Date
Revision Change
Product:
Quattro V2
Drawing Number:
Plan 4P.3
Description:
Plan socle
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:20 (From parent)
Revision:
work with island


1352
B
B
1992
2049
A
21
67
A
A-A (1:20)
B-B (1:20)
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18
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751
19
263
19
432
201
18
12
18
19
47
19
19
Date
Revision Change
Product:
Quattro V2
Drawing Number:
Plan 4P.4
Description:
Plan mur côté
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
Scale: 1:20 (From parent)
Revision:
work with island


883
1087
B
A
746
336
2170
1988
Ø110
810
912
916
877
877
A-A (1:15)
B-B (1:15)
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263
19
183
95
76
19
2170
1984
Date
Revision Change
Product:
Quattro V2
Drawing Number:
Plan 4P.5
Description:
Plan mur du fond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:15
Revision:


47
455
497
A
A
59
156
1965
1641
1351
A-A (1:20)
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19
270
502
255
301
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506
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19
82
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336
614
255
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Date
Revision Change
Product:
Quattro V2
Drawing Number:
Plan 4P.6
Description:
Plan plafond
Designer: Maorie Barbeau
Date: 21/11/2025
Material:
work with island
Scale: 1:20 (From parent)
Revision:

4.4.5 TEST RESULTS

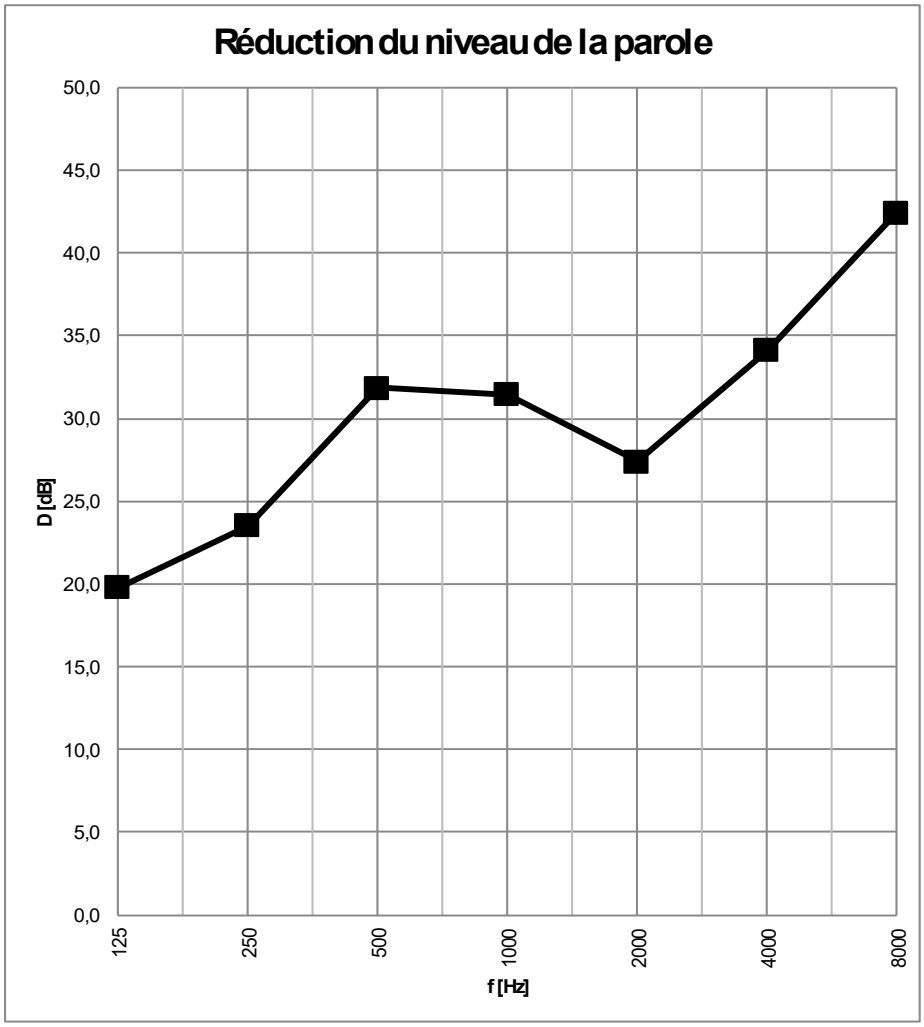
Acoustic booth: Island Quattro
Test number: 4
Test date: 28/10/25

MAIN CHARACTERISTICS
Dimensions in mm (W x L x H) : 2,004 x 1,420 x 2,204

MEASUREMENT CONDITIONS
Room with sample
Temperature: 18 °C
Relative humidity: 50 %
Atmospheric pressure: 100 kPa

RESULTS

Fréquence *f* **Hz**	Réduction du niveau de la parole *D* **dB**
125	19,8
250	23,6
500	31,9
1000	31,5
2000	27,4
4000	34,1
8000	42,5
$D_{S,A}$	**29,8**



ANNEX 1: METHOD FOR EVALUATING AND EXPRESSING THE RESULTS

➢ **Evaluation method: NF EN ISO 3741 (2012)**

Measurements must be taken according to standard NF EN ISO 3741 for measuring sound power levels.

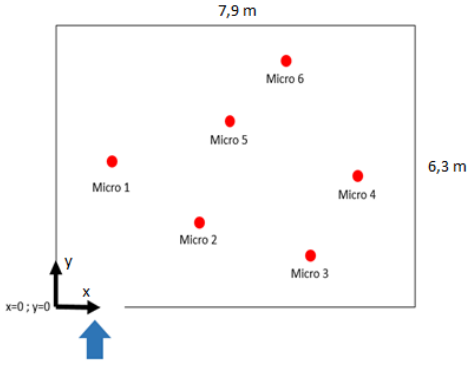
The calculation of the sound power level of the noise source for testing is presented below:

$$L_W = \overline{L_{p(ST)}} + \left\{10log\frac{A}{A_0} + 4{,}34\frac{A}{S} + 10\log\left(1 + \frac{S.c}{8V.f}\right) + C_1 + C_2 - 6\right\}$$

where

- $\overline{L_{p(ST)}}$ is the average level of the average time sound pressure levels per band in a third octave, corrected, with the noise source for testing operating in the test room, in dB.
- A is the equivalent absorption area, in m², of the room: $A = \frac{55{,}26}{c}(\frac{V}{T_{60}})$
- A_0 = 1 m²;
- S is the total surface, in square metres, of the reverberation test room.
- c is the speed of the sound in air, in m/s.
- V is the volume, in m³, of the reverberation test room.
- f is the median frequency, in Hz, of the measurement(s).
- C_1 is the reference magnitude correction, in dB, making it possible to take account of the different reference magnitudes used to calculate the sound pressure level in dB and the sound power level in dB: $C_1 = -10\log\frac{p_s}{p_{s,0}} + 5log\,(\frac{273.15+\theta}{\theta_0})$.
- C_2 is the radiation impedance correction, in dB, allowing the relevant actual sound power to be converted for weather conditions: $C_2 = -10\log\frac{p_s}{p_{s,0}} + 15log\,(\frac{273.15+\theta}{\theta_1})$ where

➢ **Equipment in the test room according to standard: NF EN ISO 3741 (2012)**



	Micro 1	Micro 2	Micro 3	Micro 4	Micro 5	Micro 6
x	2000	2700	5000	6100	3900	4800
y	3600	1600	1000	2800	3400	5000
z	3000	3000	2900	2900	3100	2900

- **Expression of the results: Calculation of the speech level reduction index $D_{S,A}$ according to standard NF EN ISO 23351-1 (2020)**

Calculation of the reduction index D_i of the level of the test piece:

$$D_i = L_{W,P,1,i} - L_{W,P,2,i}$$

where:

- $L_{W,P,1,i}$ is the sound power level [dB *re* 1 pW] radiated by the reference parallelepiped without the test piece when the sound source is active;
- $L_{W,P,2,i}$ is the sound power level [dB *re* 1 pW] radiated by the reference parallelepiped with the test piece when the sound source is active.

$$L_{W,S,2,i} = L_{W,S,1,i} - D_i$$

	Octave band (Hz)						
	125	250	500	1000	2000	4000	8000
$L_{W,S,1}$ [dB *re* 1 pW]	60.9	65.3	69,0	63.0	55.8	49.8	44.5

Table 1: Unweighted speech sound power level, irrespective of gender

$$L_{W,S,A,2} = 10\log\left(\sum_{i=1}^{7} 10^{(L_{W,S,2,i}+A_i)/10}\right)$$

- where *A*i is the weighting A for octave band *i*.

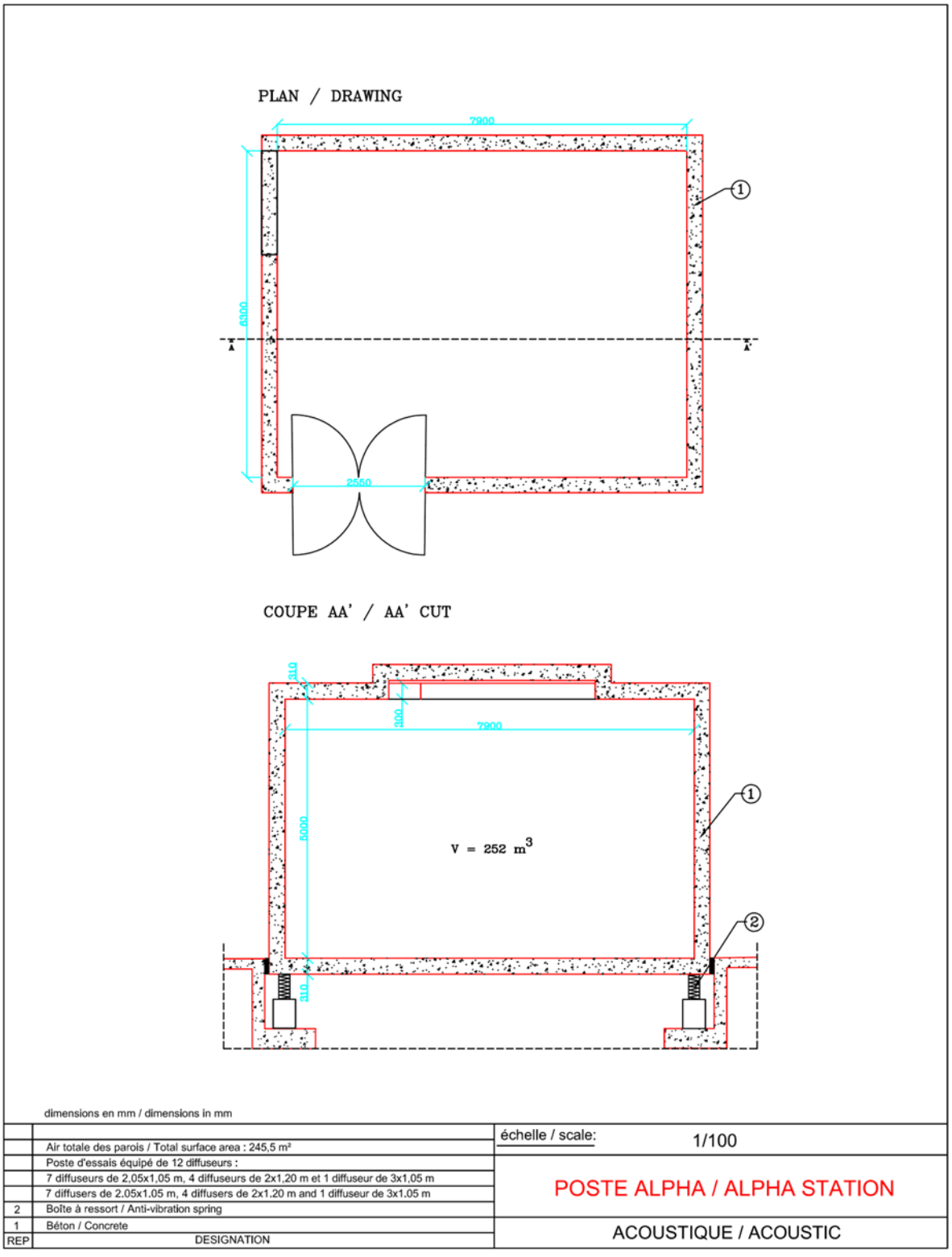
$$D_{S,A} = L_{W,S,A,1} - L_{W,S,A,2}$$

- where $L_{W,S,A,1}$ = 68.4 dB is the weighted sound power level A of normalised speech in the entire frequency range from 125 Hz to 8,000 Hz.

ANNEX 2: EQUIPMENT

Designation	Brand	Type	CSTB No.
Microphone systems	Bruël & kjær	Microphone 4943 Pre-amplifier 2669	01_000211
			01_000220
			01_000221
			09_000042
			17_000109
			20_000013
Generator system	Carver / Behringer	PM 600 / XR12	18_000229
Sound sources	Ntek	Cube 6 loudspeakers	23_003422
Multichannel analysers	Norsonic	Nor850-MF1	18_000230
			18_000231
			18_000232
Software	Norsonic	Nor850	17_000333
Calibrator	Bruël & kjær	4231	16_000102
Humidity and temperature sensor	SPSI	M-TUTA.11i	97_000154
Pressure sensor	KELLER	PAA-33X	16_000168

ANNEX 3: DRAWING OF THE ALPHA STATION



Test execution address: 84 avenue Jean Jaurès – Champs-sur-Marne – 77447 Marne-la-Vallée - FRANCE

End of report