

SONIC CLASSIC GRINDING BOOTH

Description

The unique, compact construction of the CEPRO SONIC wall system with built-in soundproof elements not only produces sound attenuation but also effective noise reduction in the rest of the working environment. The modular system can be easily and quickly assembled (and is therefore cost-reducing), moved, expanded or changed into another configuration. The CEPRO SONIC wall system exceeds the quality and effectiveness of all other branded systems of its competitors.

Application

The extensive range of Sonic products from CEPRO can reduce noise pollution substantially and enables companies to comply with the applicable noise level standards. The soundproof products ensure increased production and a better performance of employees in noisy environments.

CEPRO SONIC soundproof products were installed at industrial manufacturing companies and in government agencies and educational establishments. Often new and/or customer specific solutions were developed to meet requirements. Especially in confined places with many people (training rooms), CEPRO proves its strength. The extensive experience of the company with all kinds of projects across Europe guarantees an effective solution for each specific noise problem.

Characteristics

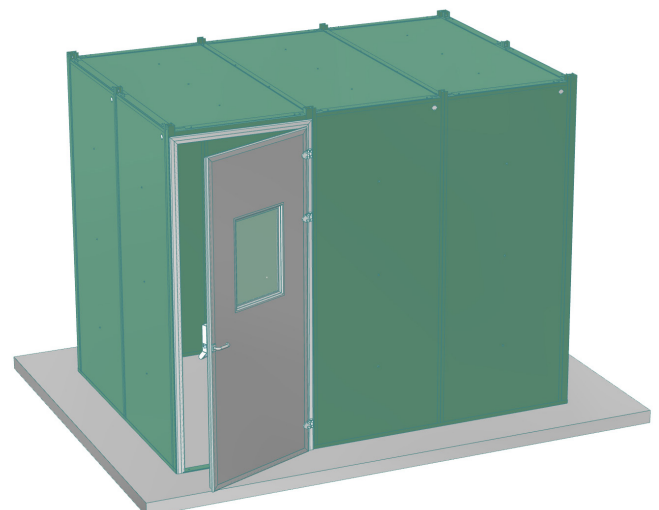
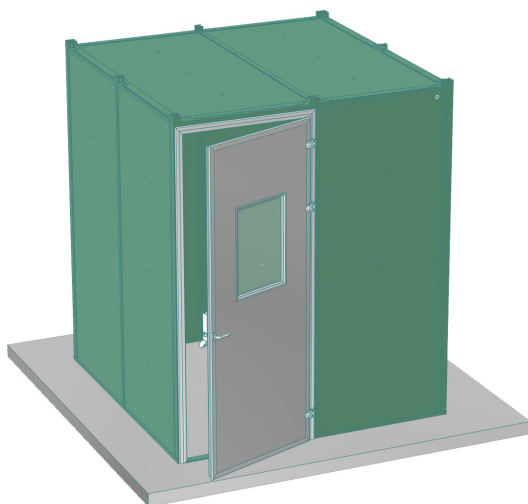
By the use of an closed construction of metal plates, filled with high qualified isolation products and a core of steel, this product has reached its high quality. Total sound reduction is 29 dB.

To be used as a standalone booth, or linked for making complete welding booths. Sonic classic grinding booths can be used in combination with many other Cepro products.

This wall system contains welded steel parts, powder coated in green RAL6011, gloss +/- 30%.

Conditions for use

- CEPRO Sonic Classic products are meant for use indoors
- The nuts and bolts used to connect the frame should be checked regularly



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General information

Welding and grinding operations are one of the most important noise sources in industrial working environments. Prolonged exposure to high noise concentrations can damage ear drums and cause noise-related deafness. Besides personal suffering, this often means long term absences through illness or high costs as a result of permanent disability. In less serious cases, too much noise is often the cause of loss of concentration and consequently loss of quality and lower production volumes.

Too much noise also seriously disturbs communication on the shop floor which leads to mistakes. Studies have shown that noise pollution in training rooms leads to gaps in knowledge and even to educational errors.



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SONIC CLASSIC GRINDING BOOTH



Made to size

CEPRO can also offer you tailor made and constructed installations. This goes for dimensions, design and colour scheme. You can count on receiving professional advice from one of our advisors. Please contact our sales department to make an appointment.



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SONIC CLASSIC GRINDING BOOTH

REFERENCE LIST CEPRO SONIC

Netherlands

DAF	Eindhoven
Philips	Eindhoven
VDL Group	several locations
Stork Wärtzila Diesel	Zwolle
Stork	Raamsdonkveer
Ansaldo Thomassen	Rheden
Friesland Frico Domo	Leeuwarden
Mitsubishi	Almere
Royal Huisman Shipyards	Vollenhoven
Witte van Moort	Vriezenveen
Cascade	Almelo, Almere
GTI	Rotterdam
Helden Couplings	Panningen
Terberg	Benschop
Technische scholen (MTS en HTS)	several locations
Min. Defensie, Landmacht lasopleidingen	Utrecht
Kon. Marine, onderhoudswerkplaats	Den Helder
Penententiaire inrichtingen	Almere, Alphen a.d Rijn, Nijmegen, Zoetermeer, Zutphen

Belgium

DAF	Westerlo
Degussa	Antwerp
Snecma	Brussels
Volvo Cars	Gent
VCL	Brussels
FRMB	Brussels
Technifuture	Seraign
VDL Group	several locations
VDAB Opleidingen	Antwerpen, Brugge, Haasrode, Hasselt, Peer, Roeselare, St. Niklaas, Vilvoorde
Instituut Kunsten & Ambachten	Brussels
De Naayer Instituut	Mechelen

SONIC CLASSIC GRINDING BOOTH

Germany

Audi	Ingolstadt
Volkswagen AG	several locations
Siemens AG	several locations
Daimler Chrysler	Düsseldorf, Ludwigsfelde
Deutsche Bahn, Netz AG	several locations
Adam Opel AG	several locations
Ford Werke AG	several locations
MAN Nutzfahrzeuge AG	several locations
BASF	Ludwigshafen
EADS Airbus	Nordenham
Thyssen Krupp Steel Europe AG	Duisburg
Volvo Construction Equipment	Konz
Kaml	Allershausen
GEA Ecoflex GmbH	Sarstedt
Terex Cranes	Zweibrücken
Aus- und Fortbildungszentrum	Rostock
Ucon Container	Haiger
SLV Nord	Hamburg
SLV Siegen	Siegen
Wolffkran	Luckau
Sietas Schiffswerft	Hamburg
Elring Klinger AG	Thale
Viessmann Werk Schwandorf	Schwandorf
Voith Turbo Scharfenberg	Salzgitter
Liebherr	several locations

France

Peugeot-Citroen Automobiles	Sochaux
SNCF	Hellemmes
Alstom	several locations
AFPA	Marseille
ACCR	Richwiller
Stracel	Strasbourg
Lycée Professionel	St. Louis

Switzerland

CERN	Geneve
SBB Bundesbahn	several locations
Cepta Ecole de Mécanique	Petit-Lancy
Laesser AG	Diepoldsau
Kernkraftwerk Gösgen-Däniken AG	Däniken

SONIC CLASSIC GRINDING BOOTH

Austria

Voestalpine	several locations
Berufsschule Schärding	Schärding
OMV Raffinerie	Schwechat
Doppelmayr Werk Hohe Brücke	Wolfurt
Wien Energie Gasnetz GmbH	Wien
BFI Burgenland	Großpetersdorf
SZA	Wien

Italy

Fiat	Turin
Auto Transporti Milano	Milaan
Nuovo Pignone (G.E.)	Massa
Scattolini	Veneto

Spain

PSA / Citroën	Vigo
Alstom	Barcelona
Bühler	Pinto-Madrid
CAF	Zaragoza
Ford	Valencia

Portugal

ISQ Instituto de Soldadura	Oeiras
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UK

Landrover / Jaguar	Solihull
Vauxhall Motors	Ellesmere
Ford Motors	Warwickshire

Poland

Bombardier	Wrocław
VW	Poznan
Rolls Royce Shipping	Gniew

Slovakia

Volkswagen	Trnava
PSA	Hlohovec

SONIC CLASSIC GRINDING BOOTH

 **Czech Rep.**

Skoda	Pilzen
Fiat	Turin
Auto Transporti Milano	Milaan

 **Malta**

Motherwell Bridge welding school	Hal Far
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 **Turkey**

MAN	Akyurt - Ankara
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 **Russia**

Gazprom	several locations
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Middle-East

Meelsa	Saudi-Arabia
Ansaldo - Thomassen	Saudi-Arabia
MAN	UAE - Dubai

SONIC CLASSIC GRINDING BOOTH

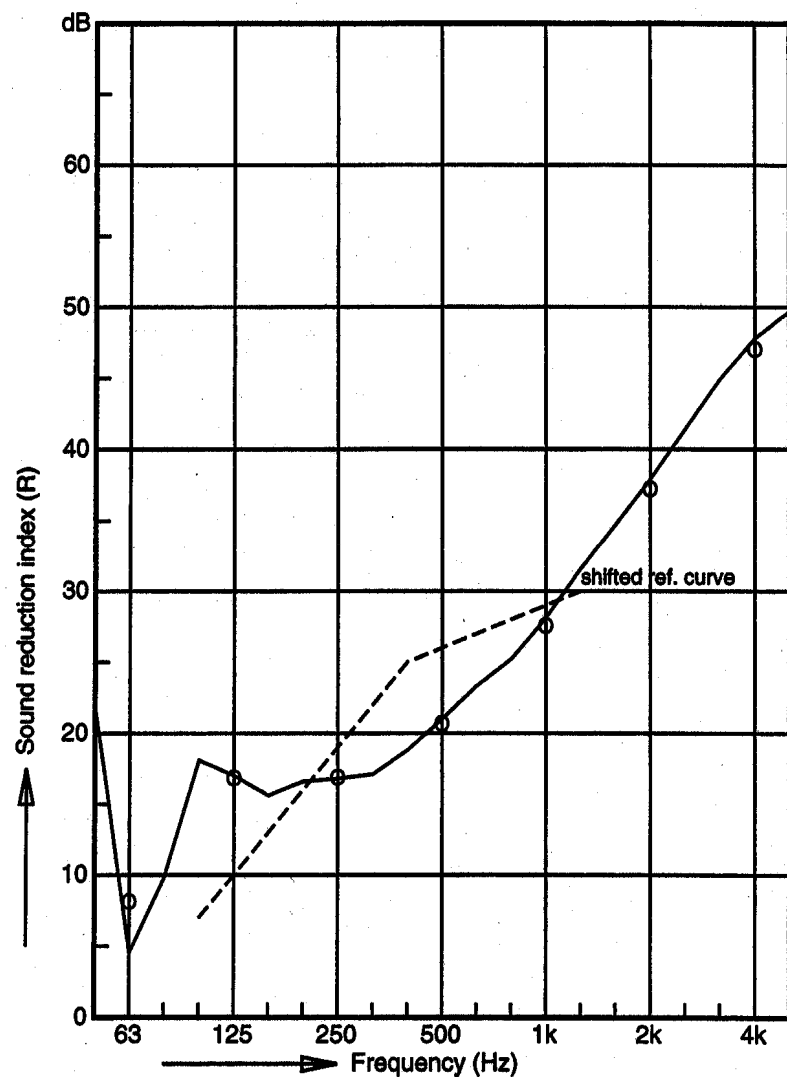
Test TNO Cepro Sonic Classic grinding booth in accordance with EN-ISO 11957

Project number : 008.02382/01.01
 Test date : 17 November 2000

Product : Cepro Sonic Classic grinding booth element
 Test room : TNO TPD 3-4, Delt (The Netherlands)

Test result : $R_w = 29$ dB

Frequency (Hz)	R 1/3 oct (dB)	R 1/3 oct (dB)
50	15,40	
63	10,10	10,50
80	8,60	
100	8,40	
125	11,80	10,60
160	12,80	
200	14,30	
250	18,70	17,30
315	23,10	
400	25,90	
500	30,20	28,70
630	32,80	
800	34,20	
1000	34,40	34,40
1250	34,50	
1600	34,00	
2000	32,30	31,70
2500	29,90	
3150	32,30	
4000	35,60	34,30
5000	35,90	



Measurement method

In this test the booth was installed in a reverberation room. The booth was asymmetrically placed on and sealed to the floor of the reverberation room in such a way that no booth wall was parallel to any wall of the room. In the reverberation room 'white noise' is produced using a amplifier-loudspeaker combination. The sound pressure levels in the room have been averaged over two loudspeaker positions and with each loudspeaker position six microphone positions. The sound pressure level in the cabin was measured using a rotating microphone (rotation time 64s) and averaged over the two loudspeaker positions.

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SONIC CLASSIC GRINDING BOOTH

COMPOSITION

For steel basic system parts:

- Carbon steel profiles, powder coated.
- Carbon steel non-perforated plate powder coated.
- Filling of two solid mineral fiber panels (2 x 25mm) with a steel plate inbetween.
- Contain no toxic parts.
- Contain no inflammable parts.
- Contain no electrical parts.

USE AND HANDLING

Coating will be damaged by open fire or intensive heat. Oil or grease pollution do not have negative effects on the screens condition.

Dents can occur impact with heavy objects impact against the perforated plate.

MAINTENANCE AND SAFETY

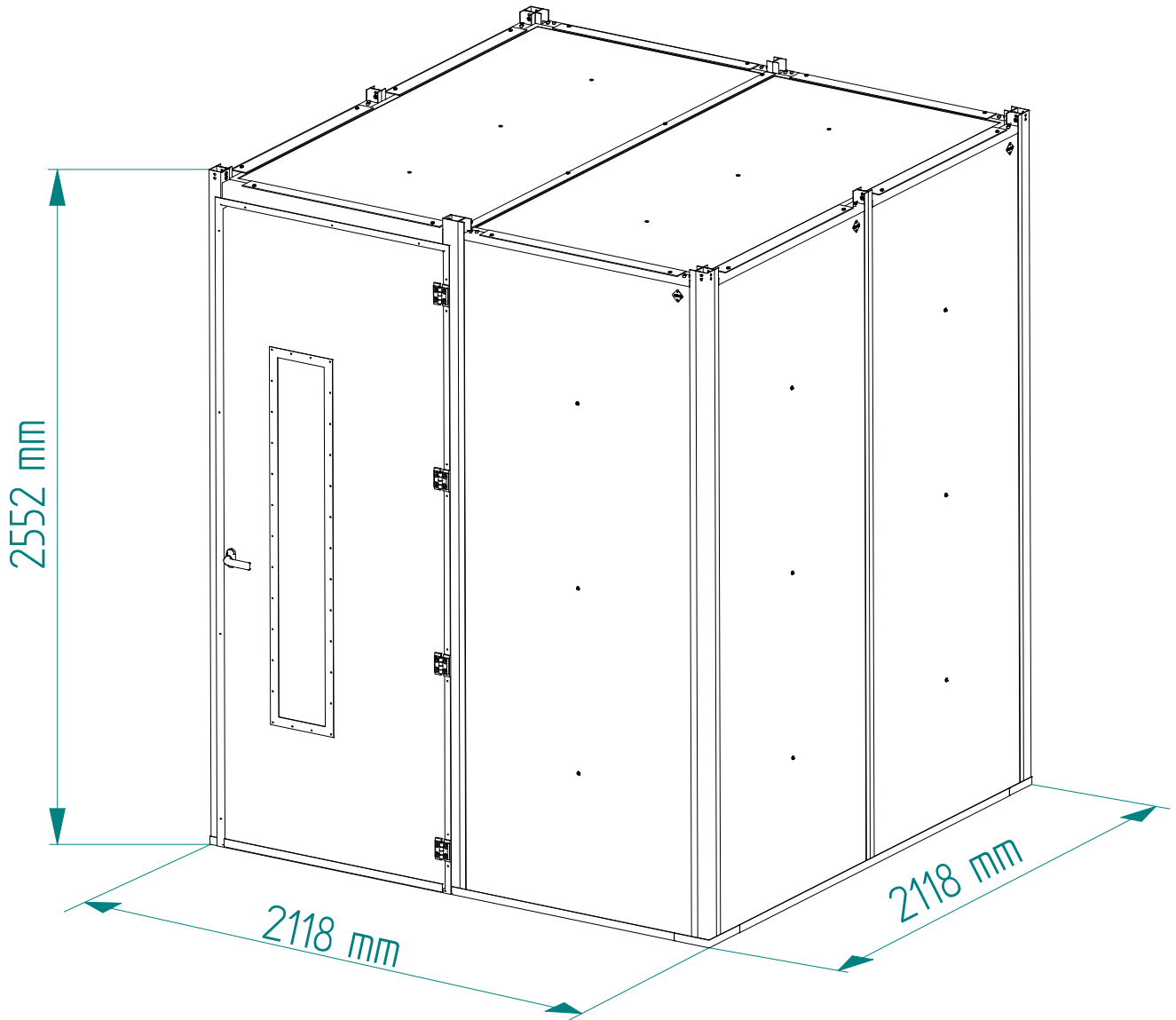
Bolts must be periodic checked. When assemble, take care of a flat and stable surface. The structure is stabilized by attachment to a wall or by the use of corner arrangements.

TECHNICAL SPECIFICATION

Type screen	: Solid noise reducing booth.
Total weight	: 356 kg - 46.05.22 Grinding booth 200x200cm
Total weight	: 794 kg - 46.05.23 Grinding booth 200x200cm
Overall size height	: 2.552 mm.
Width	: 2.118 mm
Depth	: 2.118 mm - 46.05.22 Grinding booth 200x200cm
Depth	: 3.136 mm - 46.05.23 Grinding booth 200x200cm
Materials	: Steel profiles and perforated plate, power coated in green, RAL6011.
Inlay	: 2 x 25mm rock wool 75kg/m ³ with a steel coreplate 0.5mm.
Sound reduction	: Rw = 29 dB (Tested by TNO)
Operation	: Manufactured in factory, easy to assemble and re-assemble on site.

SONIC CLASSIC GRINDING BOOTH

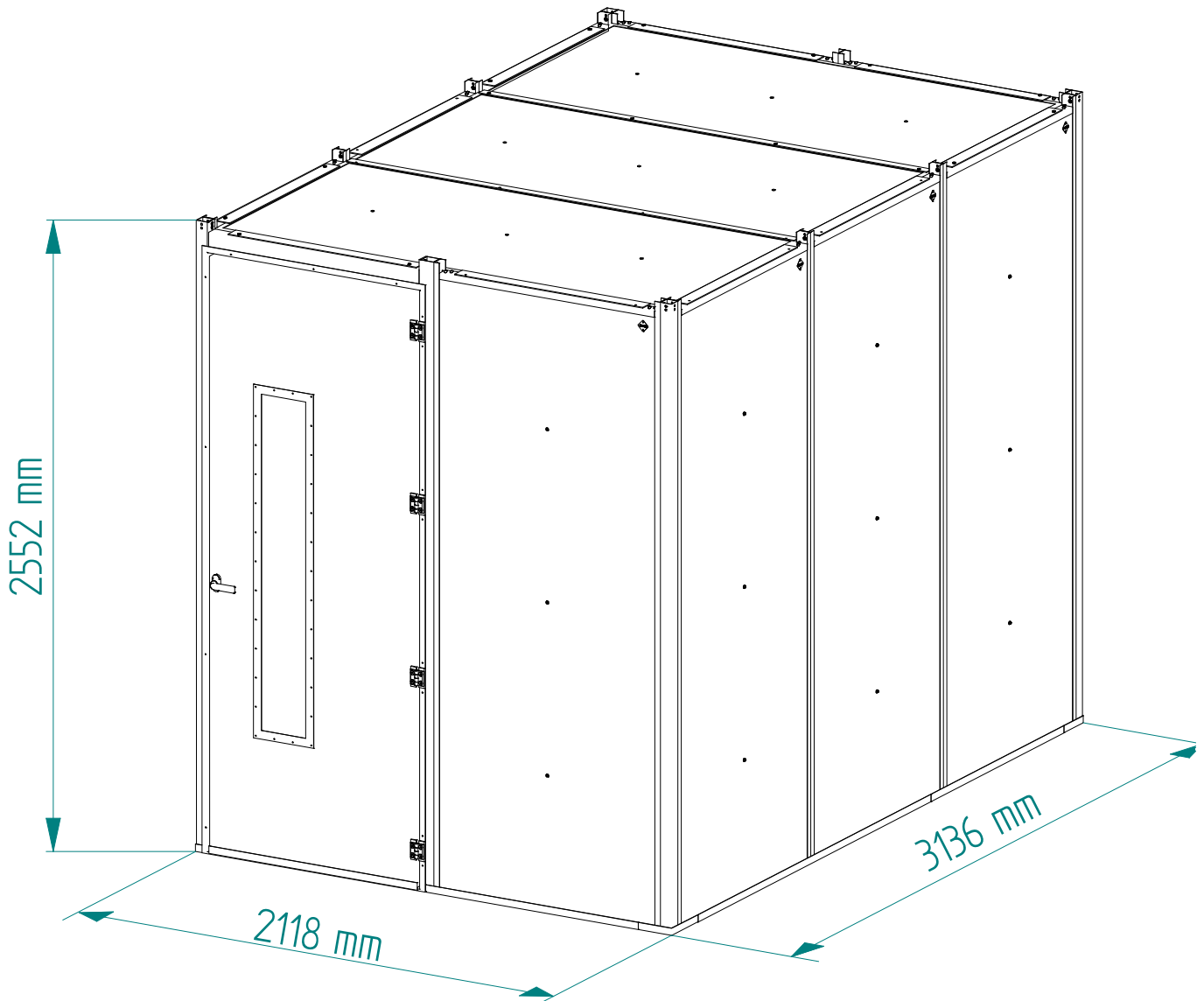
DIMENSIONS GRINDING BOOTH 200 X 200 CM



46.05.22 Sonic grinding booth 200 x 200 cm

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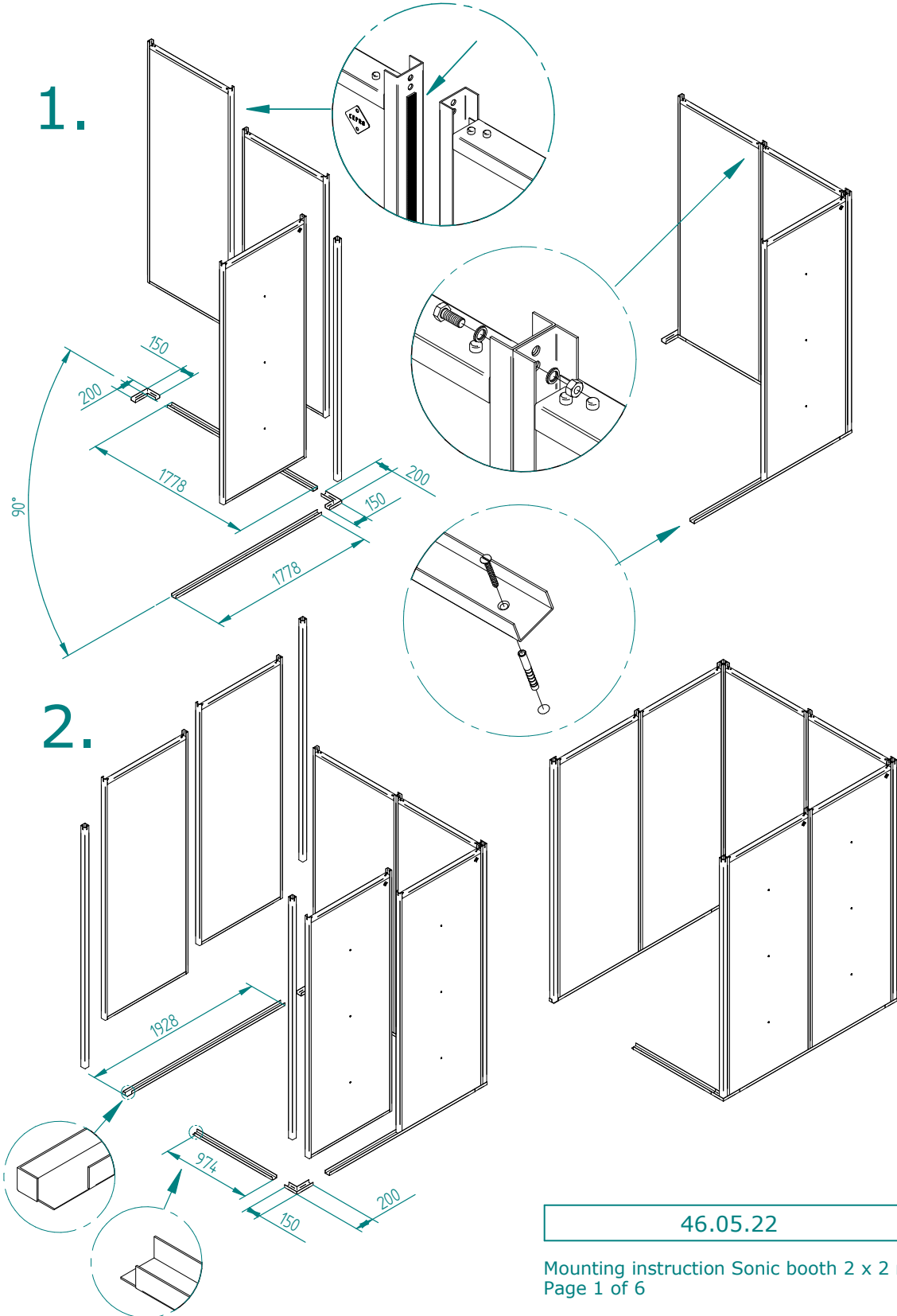
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46.05.23 Sonic grinding booth 200 x 300 cm

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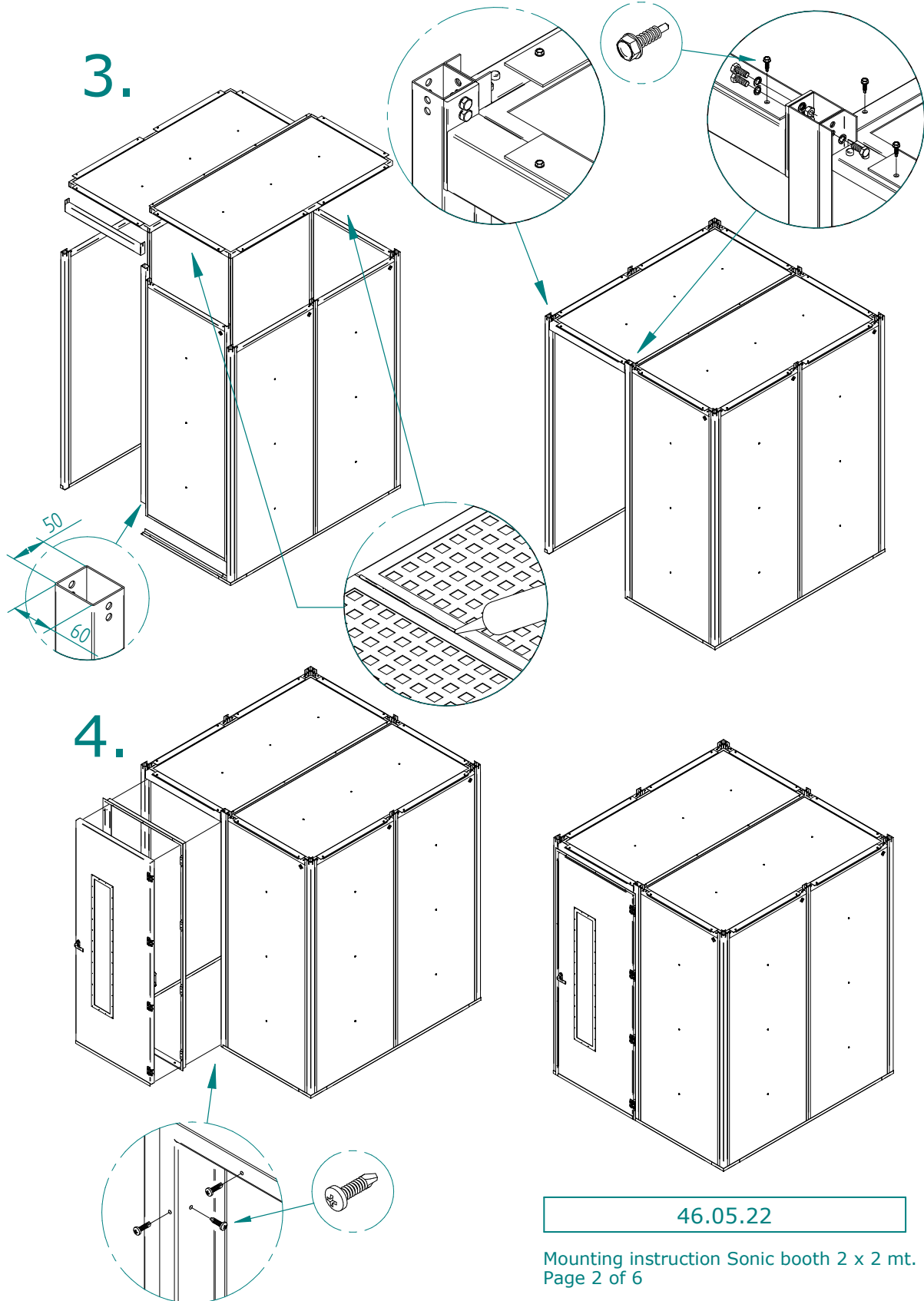
MOUNTING GRINDING BOOTH 200 x 200 CM (46.05.22)



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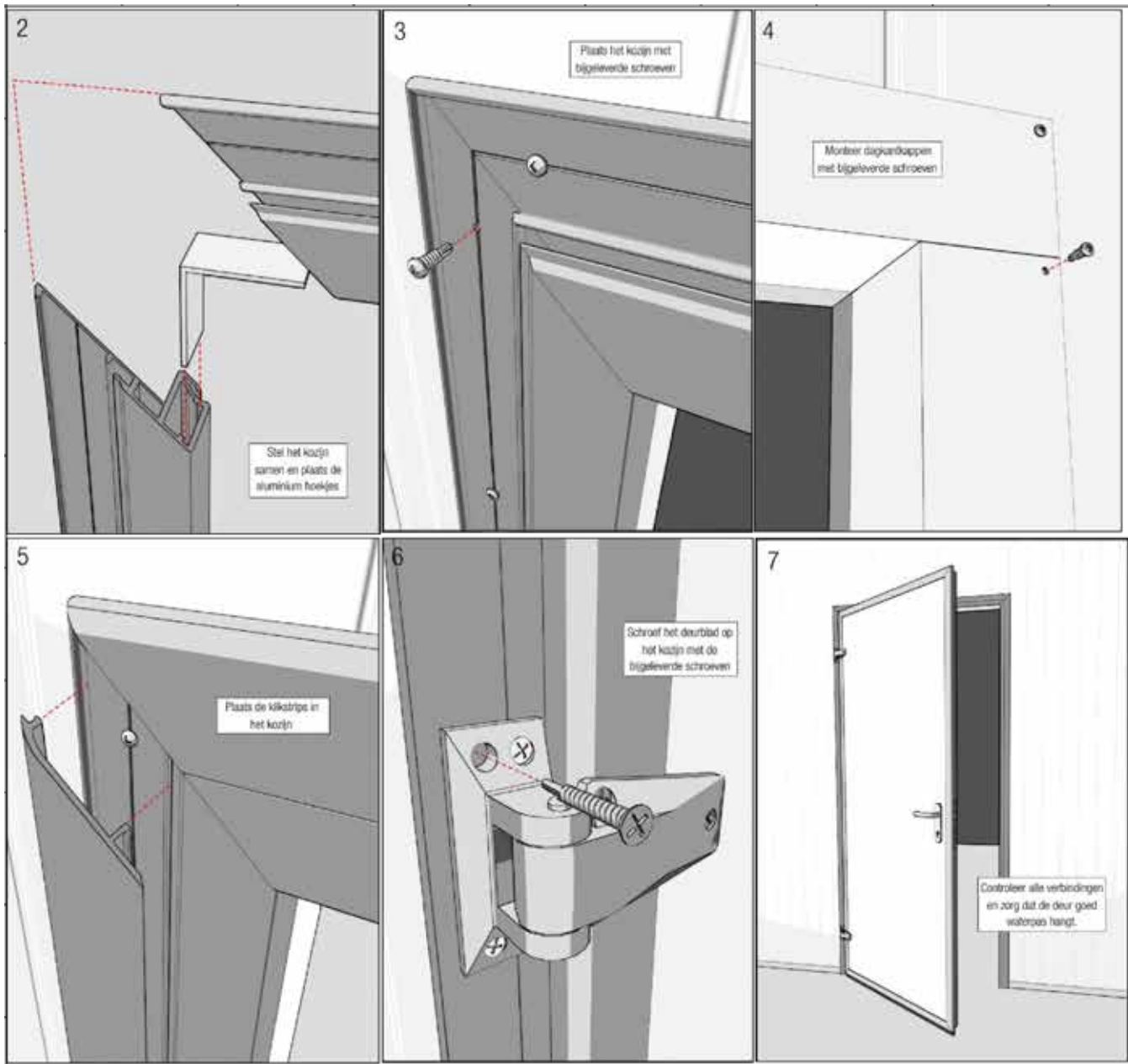
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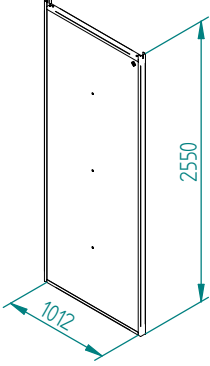
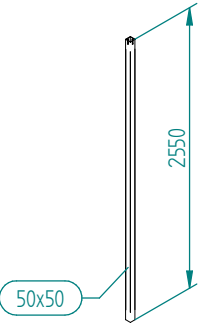
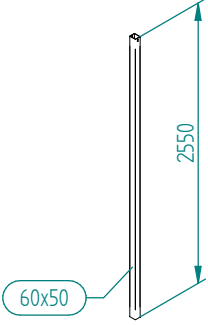
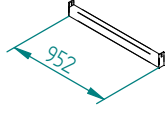
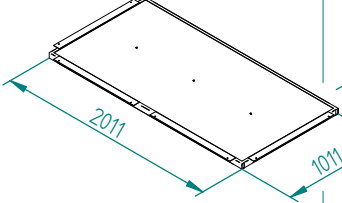
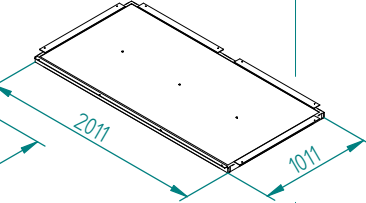
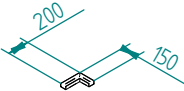
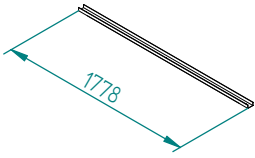
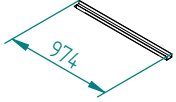
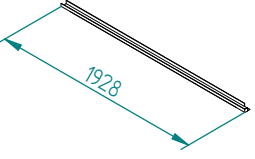
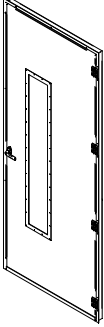





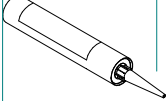

SONIC CLASSIC GRINDING BOOTH

MOUNTING GRINDING BOOTH 200 x 200 CM (46.05.22)



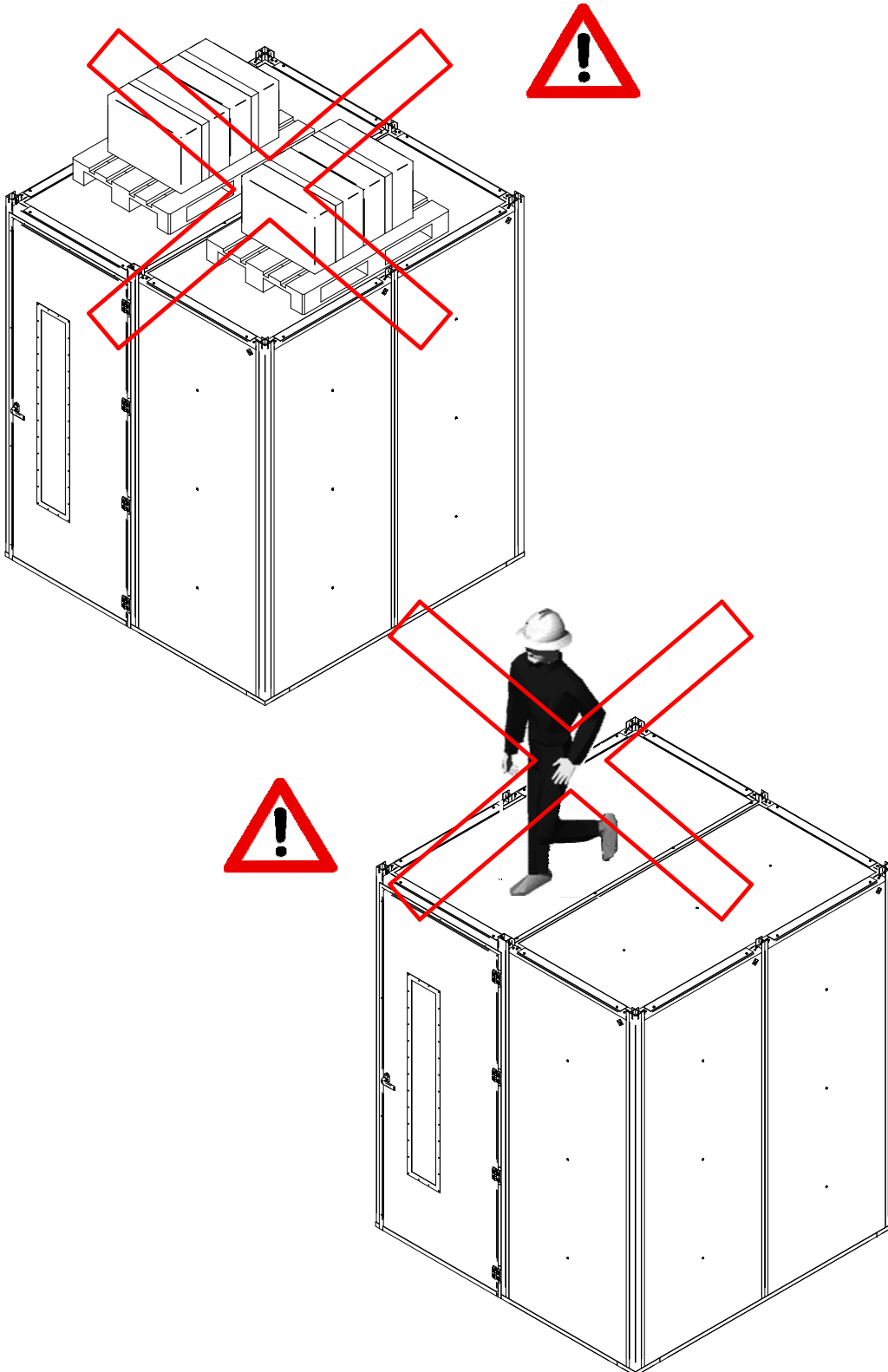
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MOUNTING GRINDING BOOTH 200 x 200 CM (46.05.22)

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 <p>45.01.00.2010</p> <p>1 x</p>		 <p>45.01.00.2010</p> <p>1 x</p>		 <p>45.21.02</p> <p>3 x</p>		 <p>45.21.00.1778</p> <p>2 x</p>	
 <p>45.21.00.0974</p> <p>1 x</p>		 <p>45.21.00.1928</p> <p>1 x</p>		 <p>46.90.01.0010</p> <p>1 x</p>			
M8 x 20	M8	M8	Ø4,9 x 19	Ø4,9 x 19	silicone	5 x 15	
							
14 x	14 x	14 x	20 x	30 x	1 x	30 mt.	

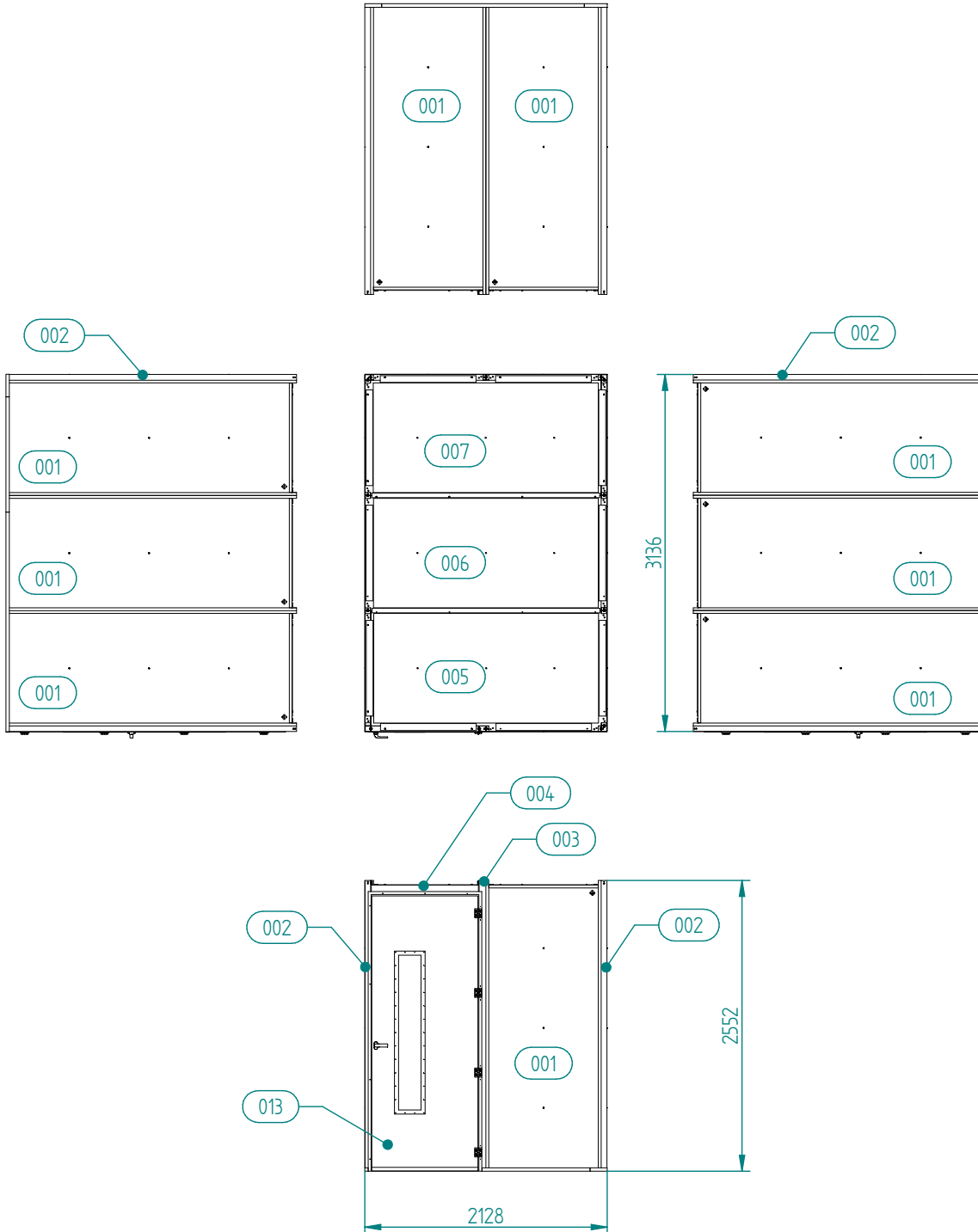
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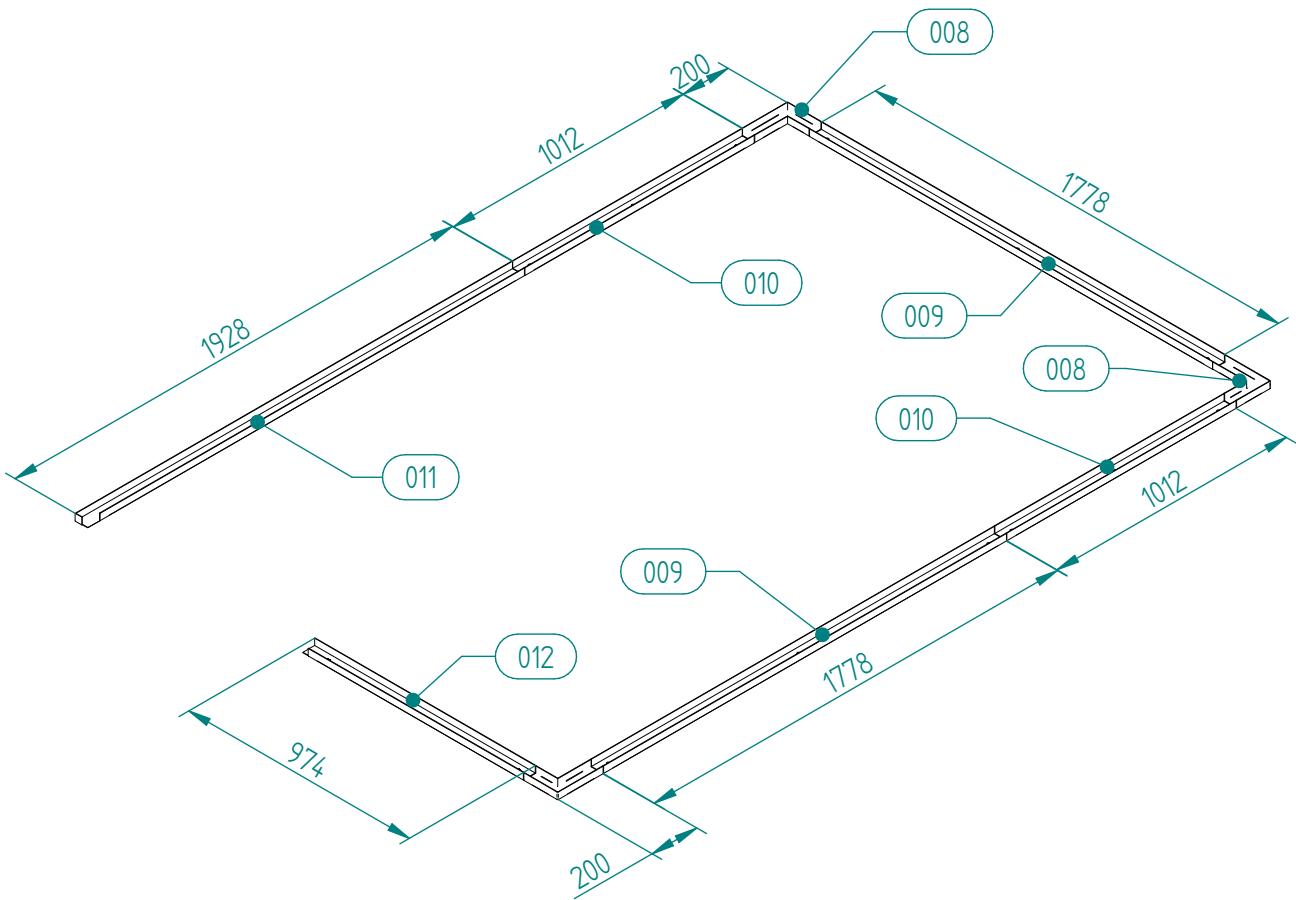
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MOUNTING GRINDING BOOTH 200 x 300 CM (46.05.23)



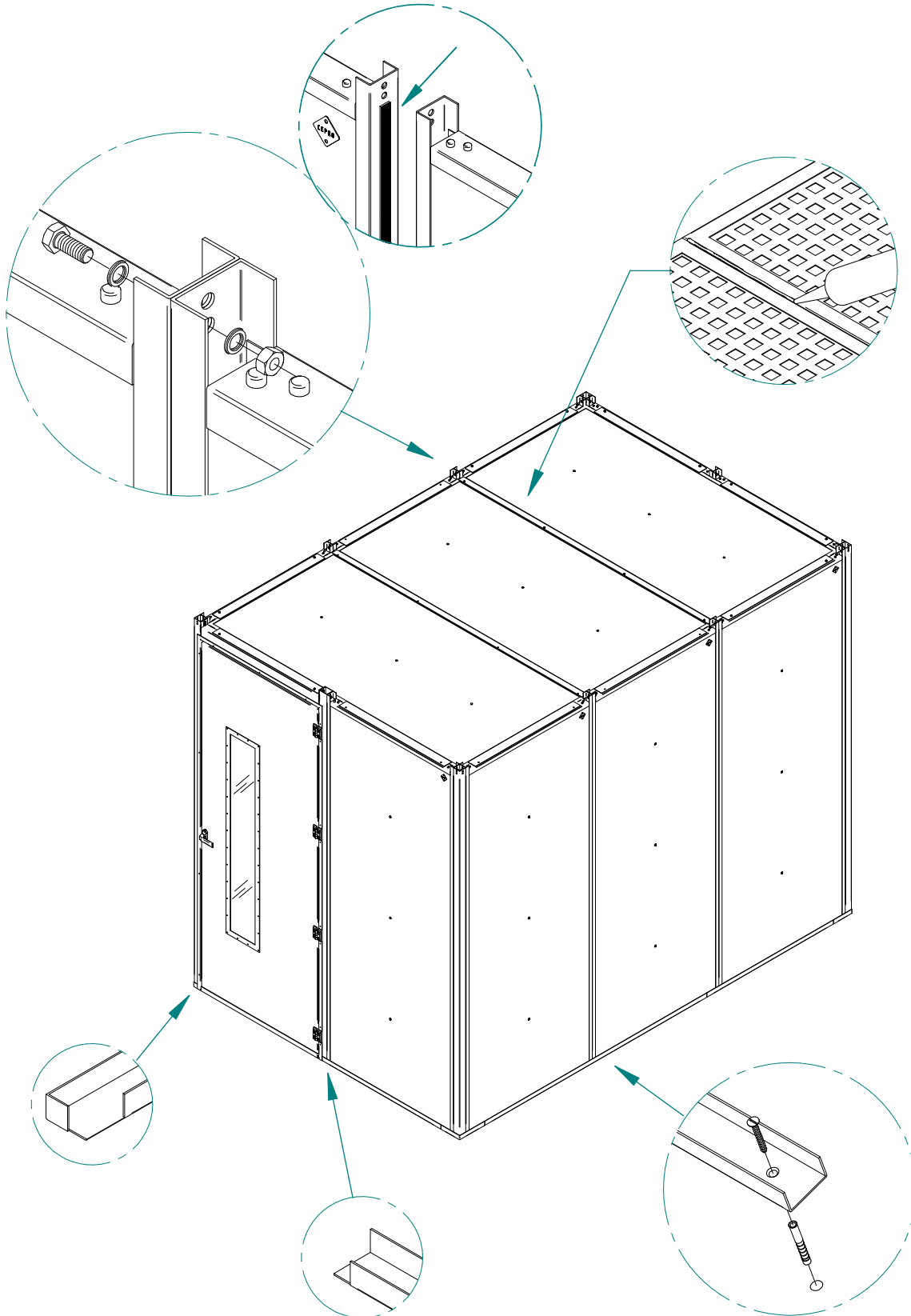
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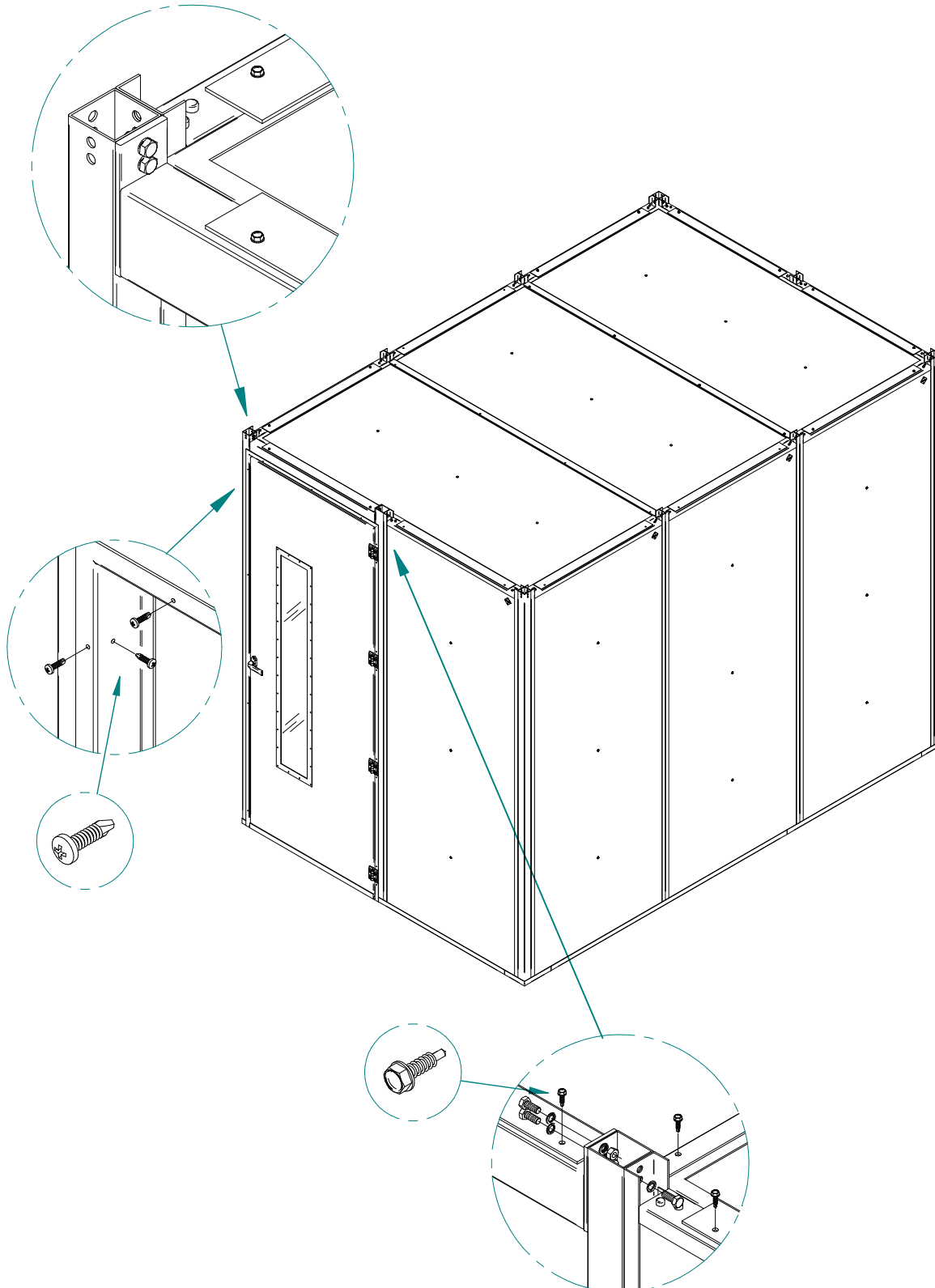
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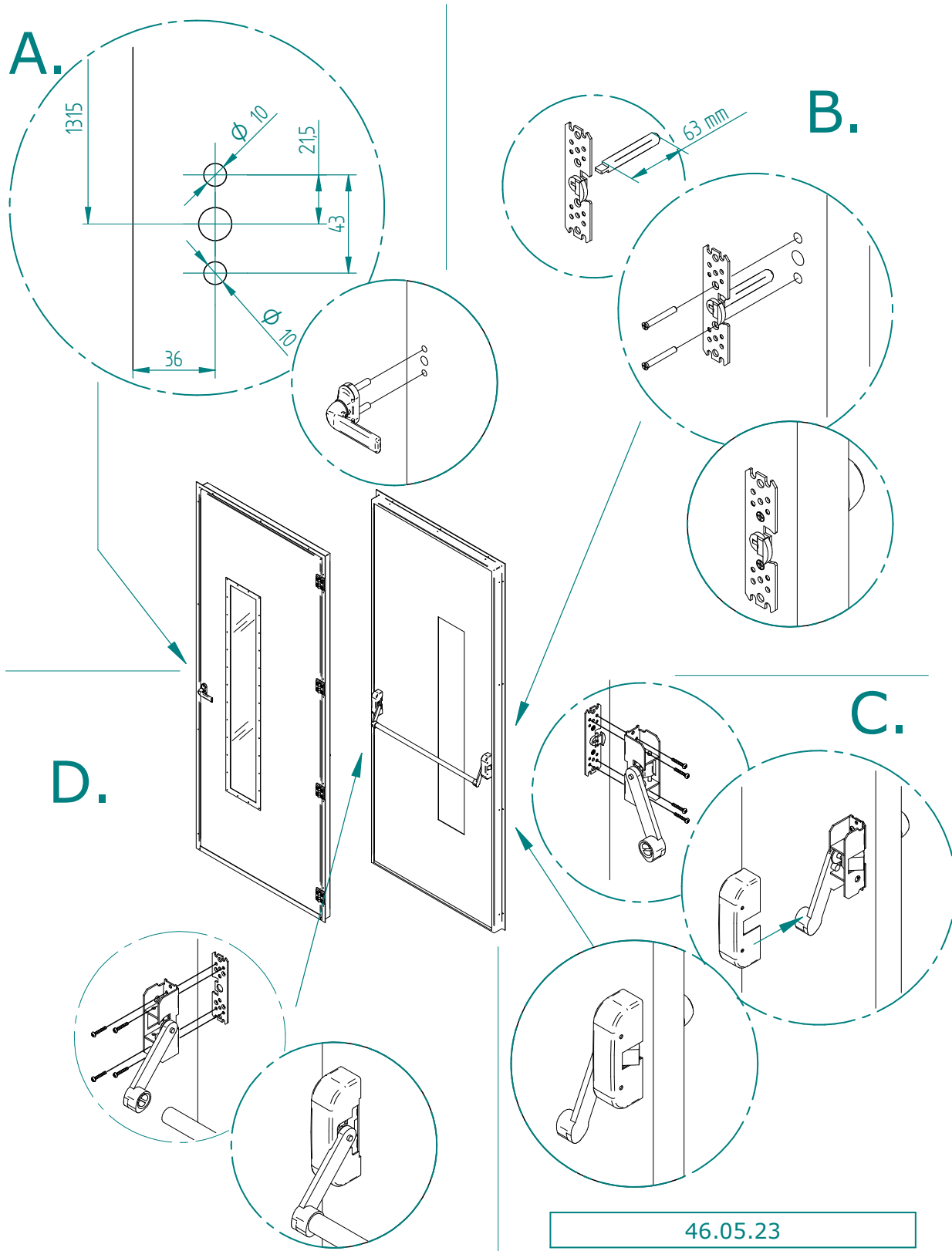
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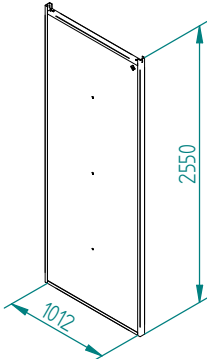
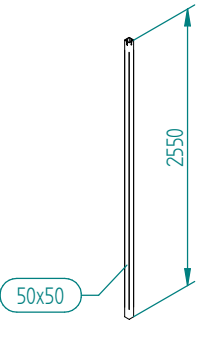
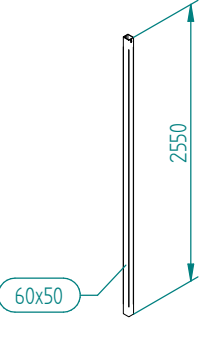
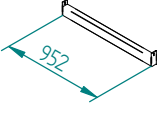
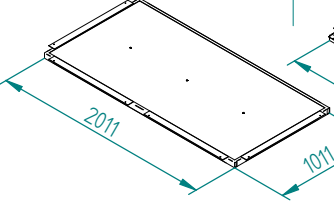
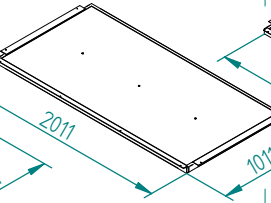
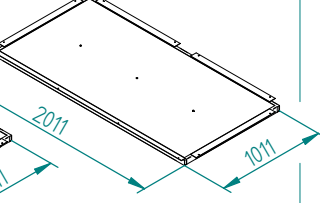
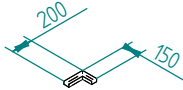
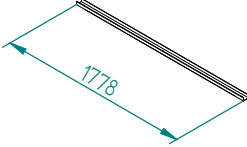
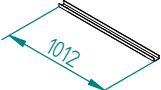
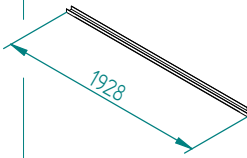
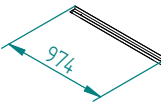
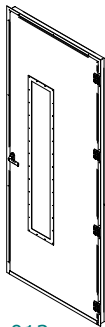





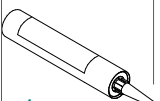

SONIC CLASSIC GRINDING BOOTH

MOUNTING GRINDING BOOTH 200 x 300 CM (46.05.23)



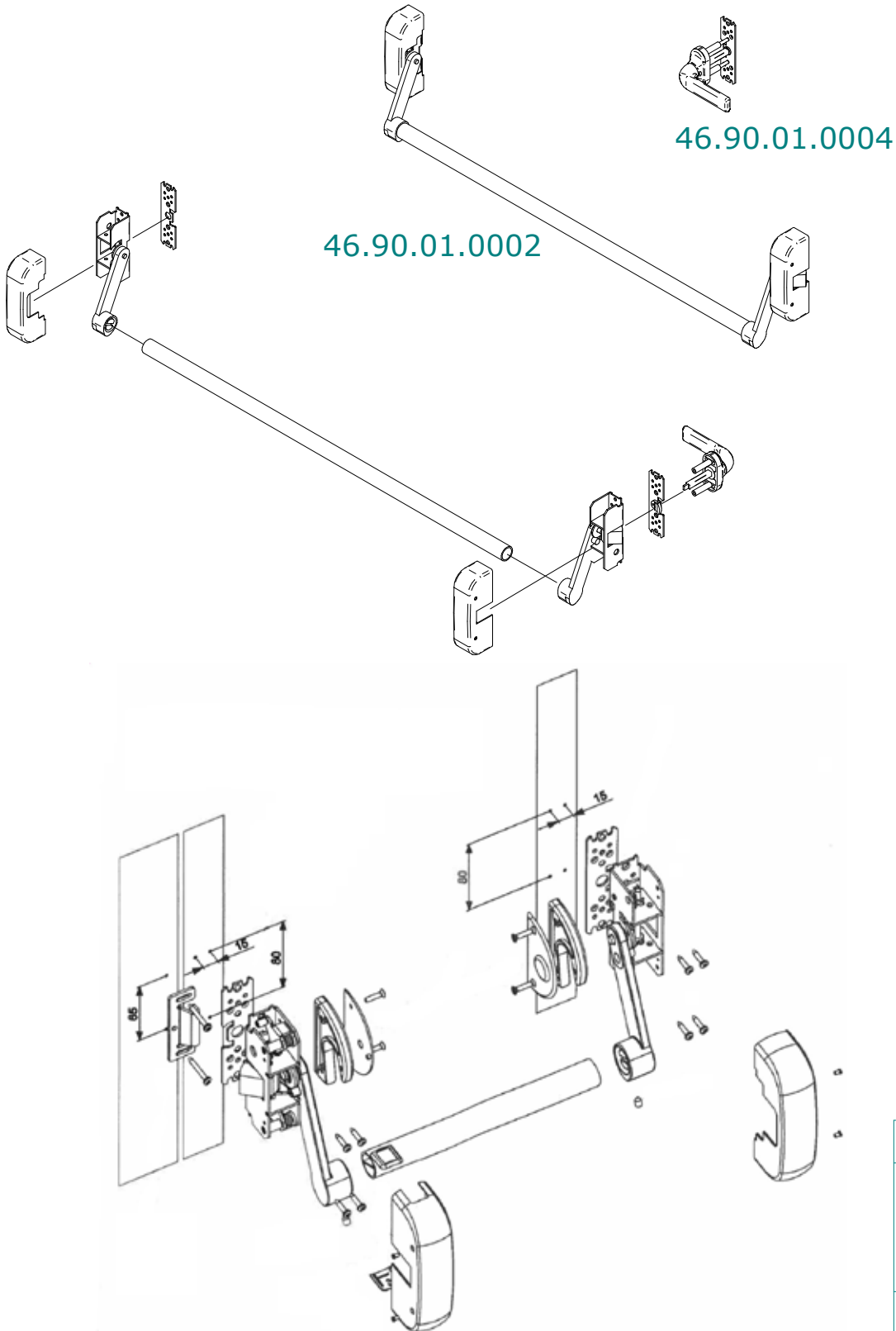
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MOUNTING GRINDING BOOTH 200 x 300 CM (46.05.23)

						
pos.001	pos.002	pos.003	pos.004			
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9 x	4 x	1 x	1 x			
						
pos.005	pos.006	pos.007	pos.008			
45.01.00.2010	45.01.00.2010	45.01.00.2010	45.21.02			
1 x	1 x	1 x	3 x			
						
pos.009	pos.010	pos.011	pos.012	pos.013		
45.21.00.1778	45.21.00.1012	45.21.00.1928	45.21.00.0974	46.90.01.0010		
2 x	2 x	1 x	1 x	1 x		
M8 x 20	M8	M8	Ø4,9 x 19	Ø4,9 x 19	silicone	5 x 15
						
DIN933	DIN125-1A	DIN934	28 x	30 x	1 x	36 mt.
16 x	16 x	16 x				
46.05.23						

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