



Technical
CLEANRoom
by Termovent

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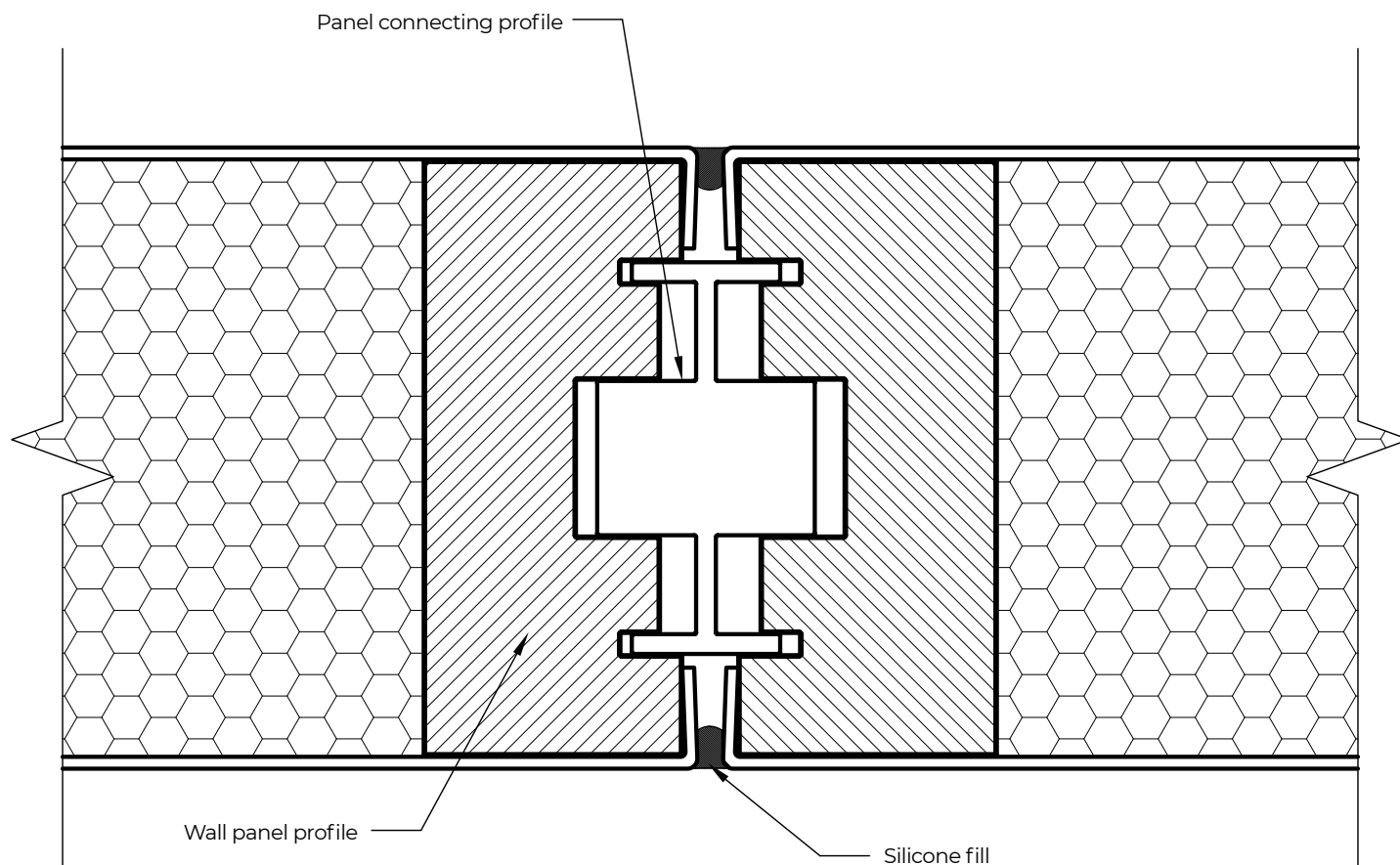
CLEANROOM WALL SYSTEM

TECHNICAL SPECIFICATION OF CLEANROOM WALL SYSTEM ELEMENTS

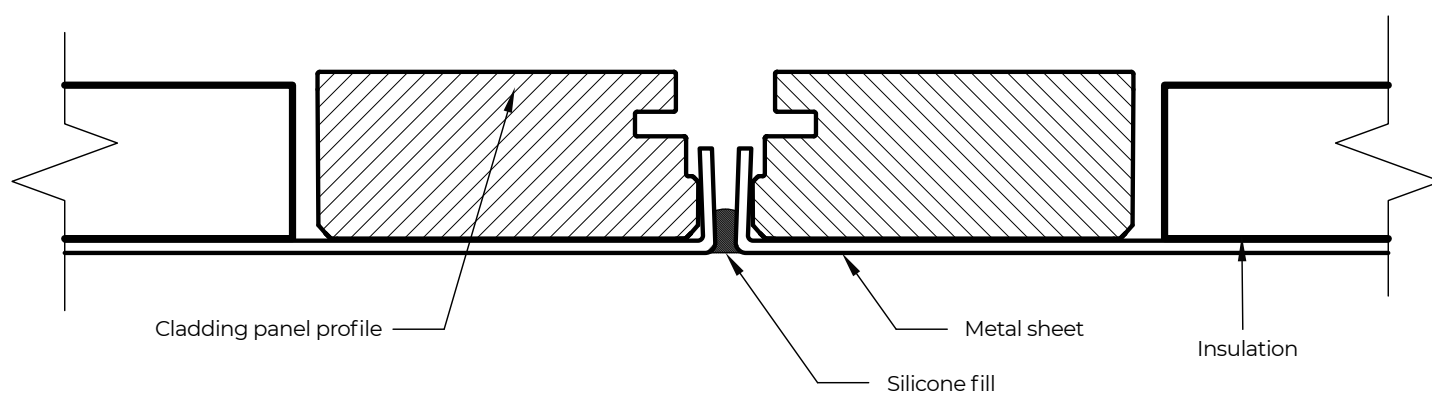
Wall Technical Data		
Element	Component	Characteristics
Panel Profile	Floor profile	Al profile, w/h=61/100 mm, d= 2 mm
	Wall Frame	Al profile, w/h=61/26 mm, d= 2 mm
	Pre-fabricated Cut-out	d = 2 mm, w/l=60/26 mm
	Electrical Chanel	d = 2 mm, w/l=60/80 mm
Insulation	Rock wool	Option: 100 kg/m ³ ; 35 kg/m ³ ;
Finish Layer	PVC Laminated Galvanized Sheet	Standard Color: RAL 9016 - 110 µm; d = 0.8 mm
	PVC Laminated Al Sheet	Standard Color: RAL 9016 - 110 µm; d = 1,2 mm
	INOX	Options: INOX 304 and INOX 316
	Glass	d = 6 mm; Options: Painted, Sanded, and Clear
Modular Dimensions Max		62 x 1200 x 3100 mm

Wall Cladding Technical Data		
Element	Component	Characteristics
Panel Profile	Floor profile	Al profile, w/h=15 / 100 mm, d= 2 mm
	Wall Frame	Al profile, w/h=16 / 37.5 mm, d= 2 mm
	Pre-fabricated Cut-out	Al profile, w/h=16 / 37.5 mm, d= 2 mm
Insulation	Gypsum Board	d = 15 mm
Finish Layer	PVC Laminated Galvanized Sheet	Standard Color: RAL 9016 - 110 µm; d=0.8 mm
	PVC Laminated Al Sheet	Standard Color: RAL 9016 - 110 µm; d = 1,2 mm
	INOX	Options: INOX 304 and INOX 316
Modular Dimensions Max		20 x 1200 x 3100 mm

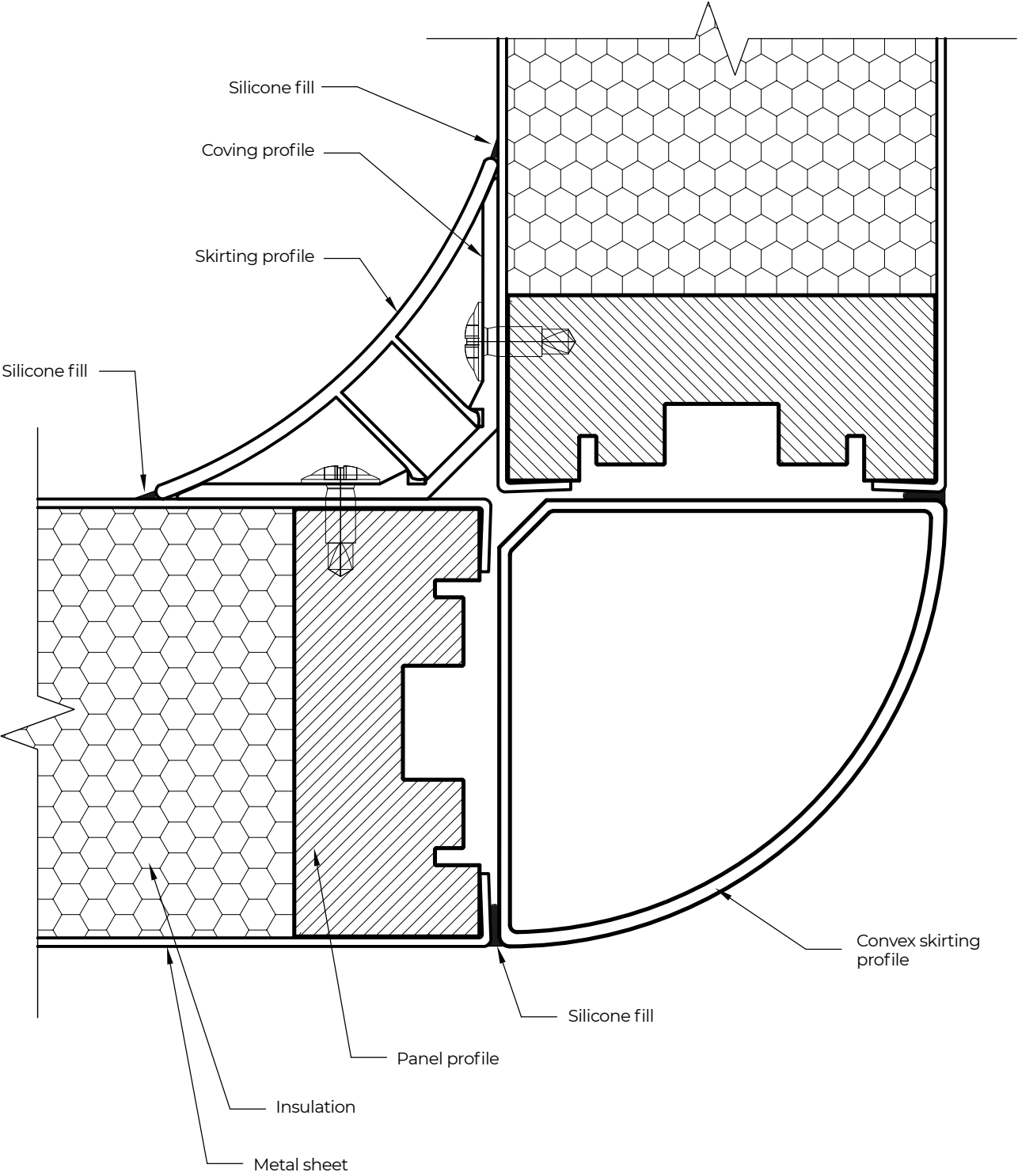
Connection Wall-Wall



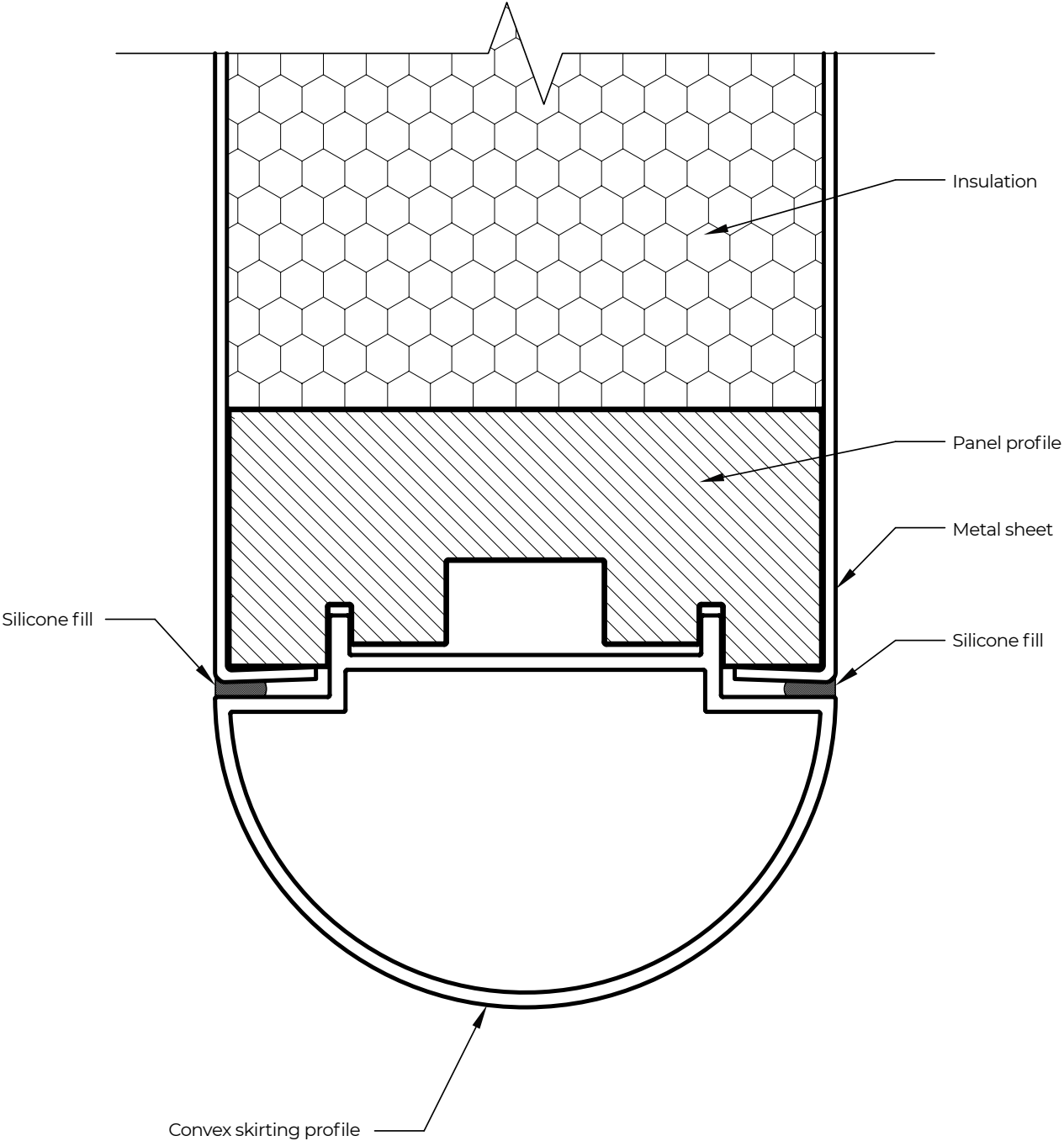
Connection Cladding-Cladding



Corner Connection Wall-Wall



Free Wall Ending

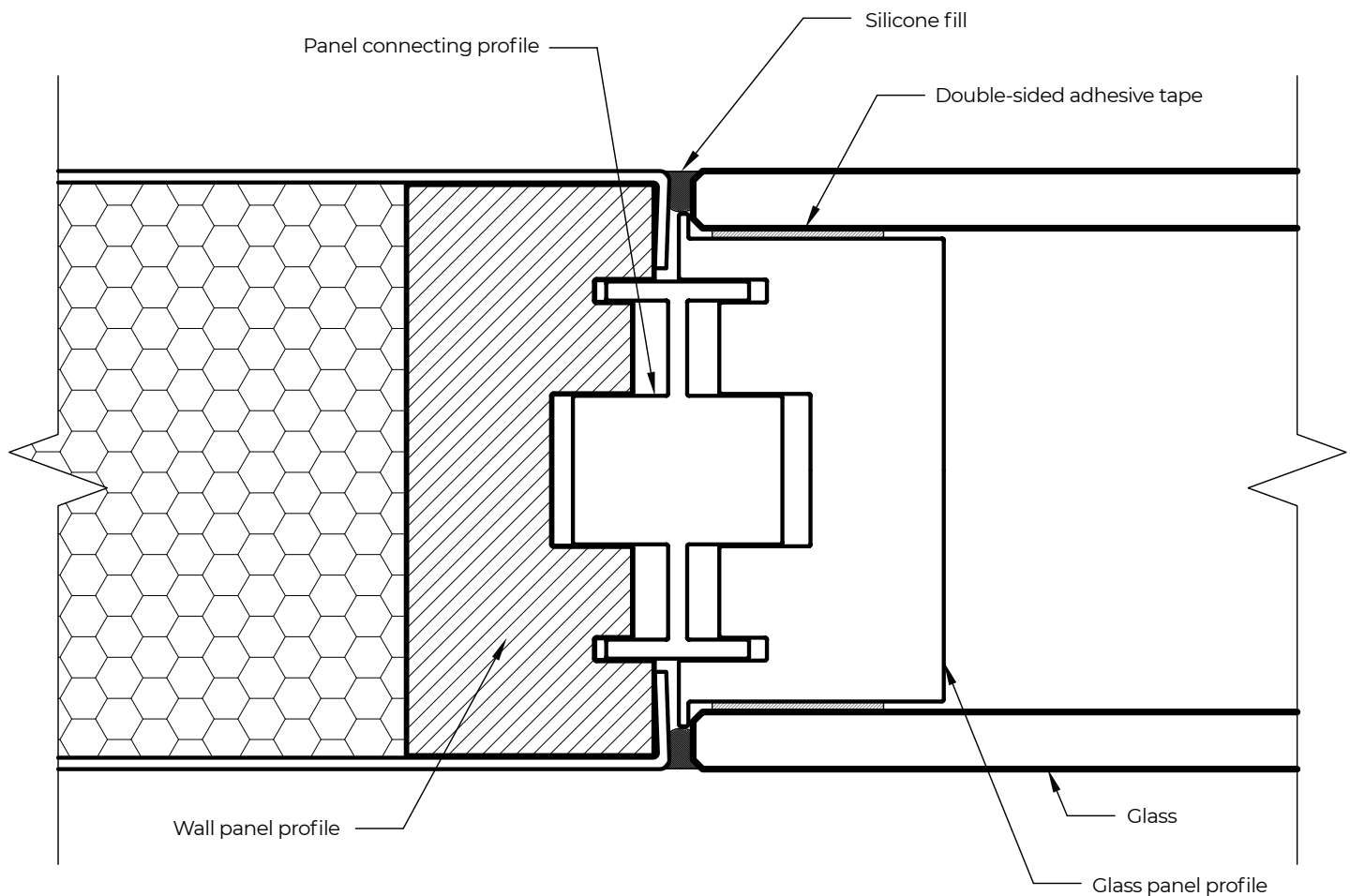


CLEANROOM GLAZING SYSTEM

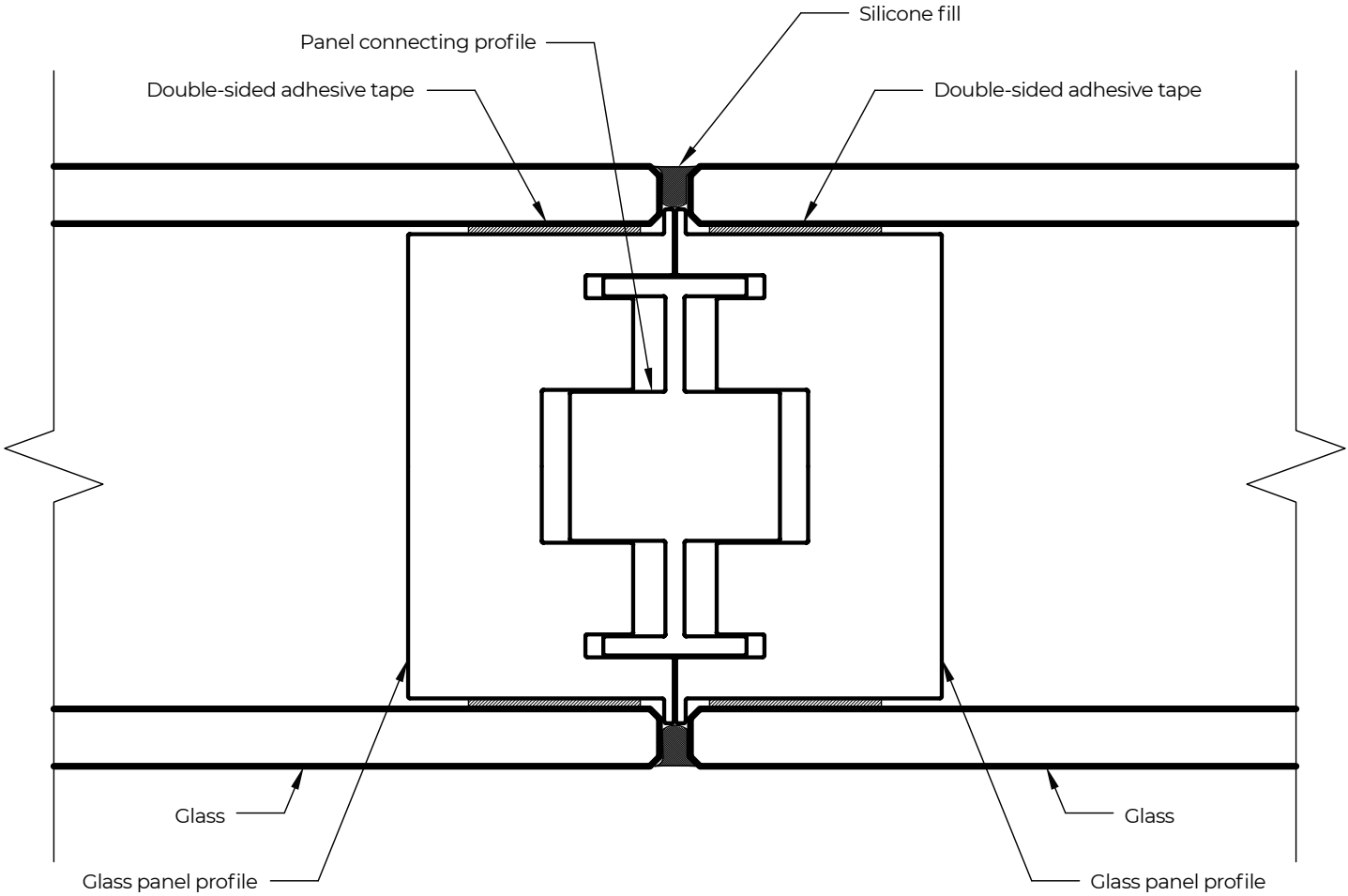
TECHNICAL SPECIFICATION OF CLEAN-ROOM WALL SYSTEM ELEMENTS

Glazing Technical Data		
Position	Component	Characteristics
Wall	Wall Window	Al profile, w/h=20/50 mm, d= 2 mm; Glass: TVG or VSG
Door	Door Window	Al profile, w/h=20/50 mm, d= 2 mm; Glass: TVG or VSG
Modular Dimensions Max		62x1200x3100 mm

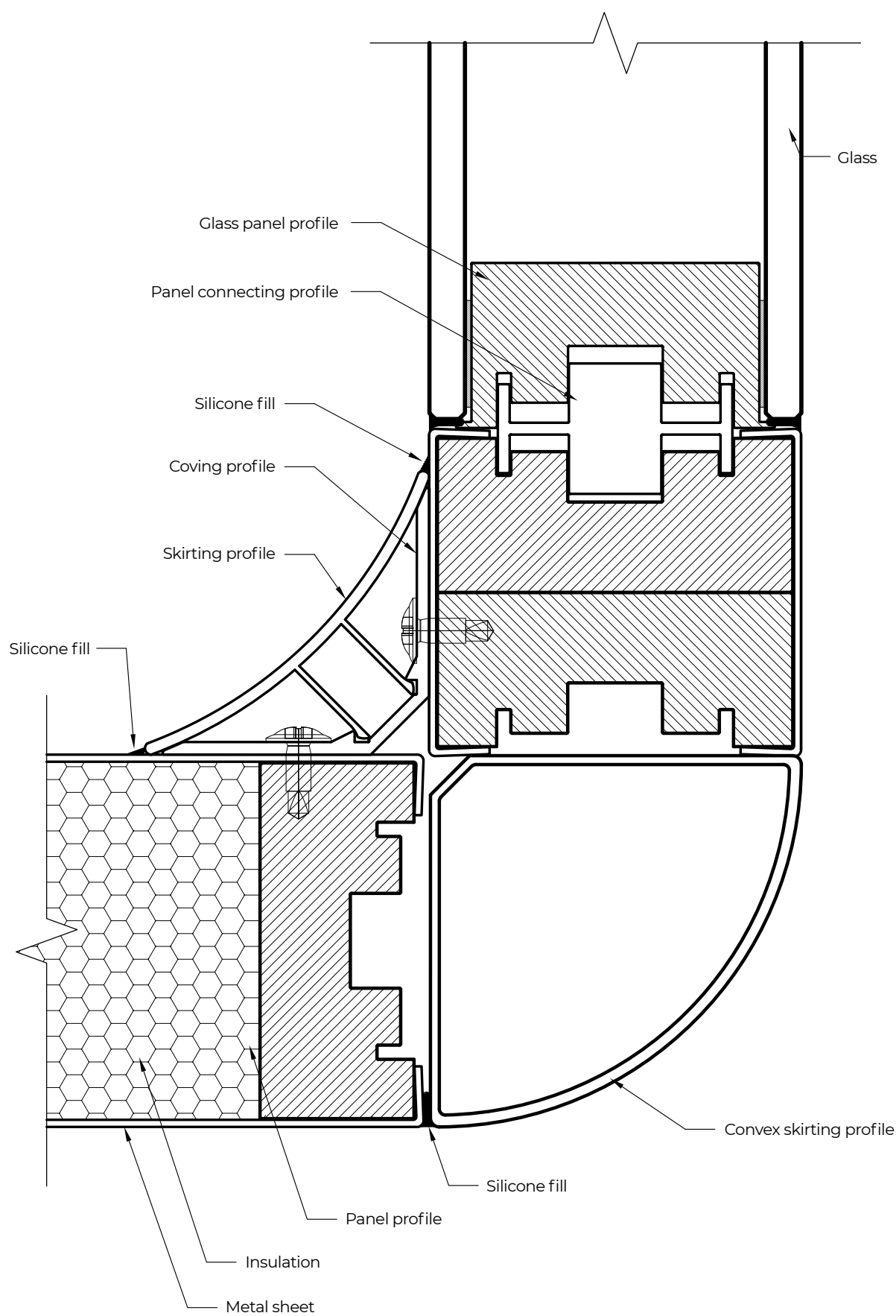
Connection Wall-Glazing



Connection Glazing-Glazing



Corner Connection Wall-Glazing



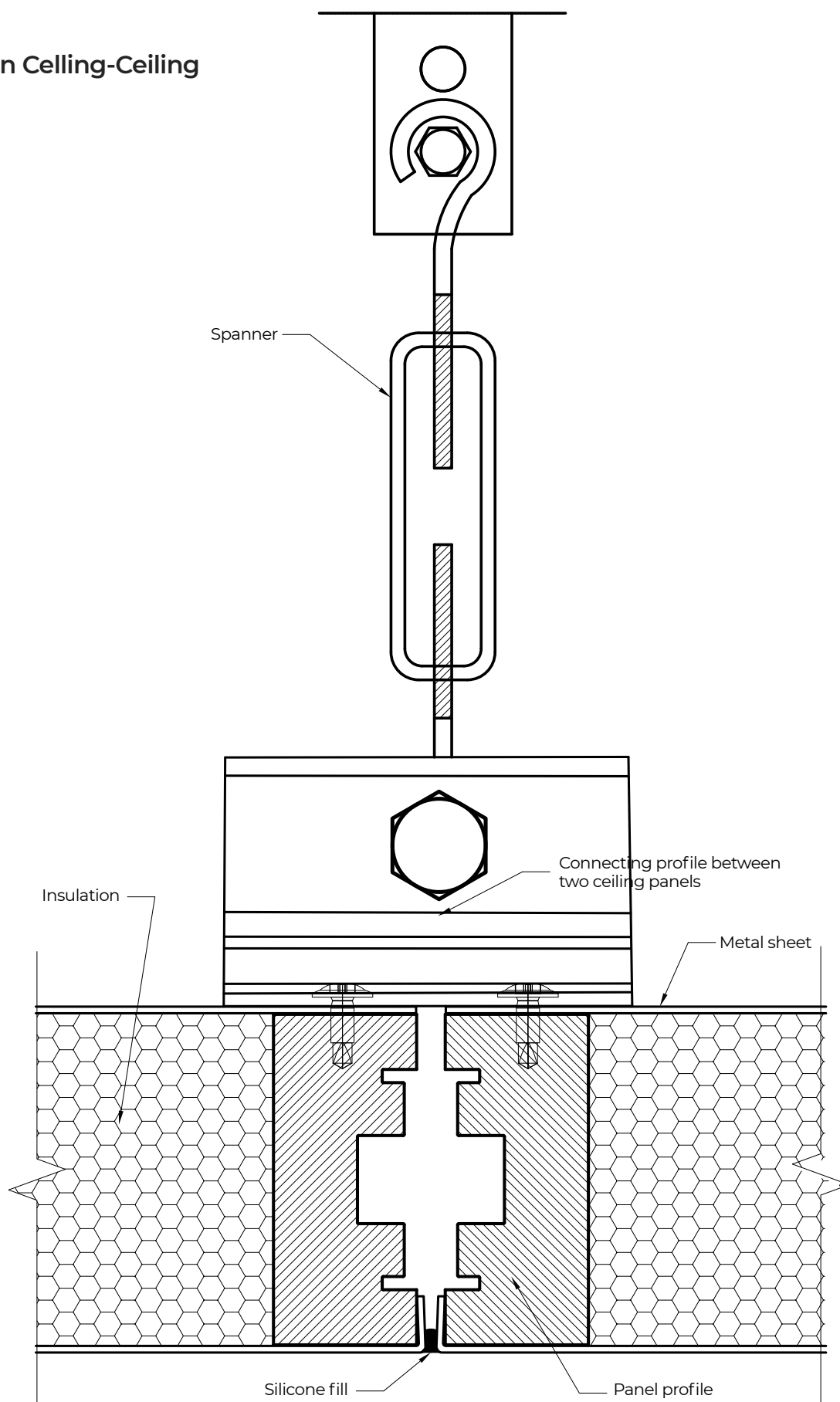
CLEANROOM CEILING SYSTEM

TECHNICAL SPECIFICATION OF CLEAN-ROOM WALL SYSTEM ELEMENTS

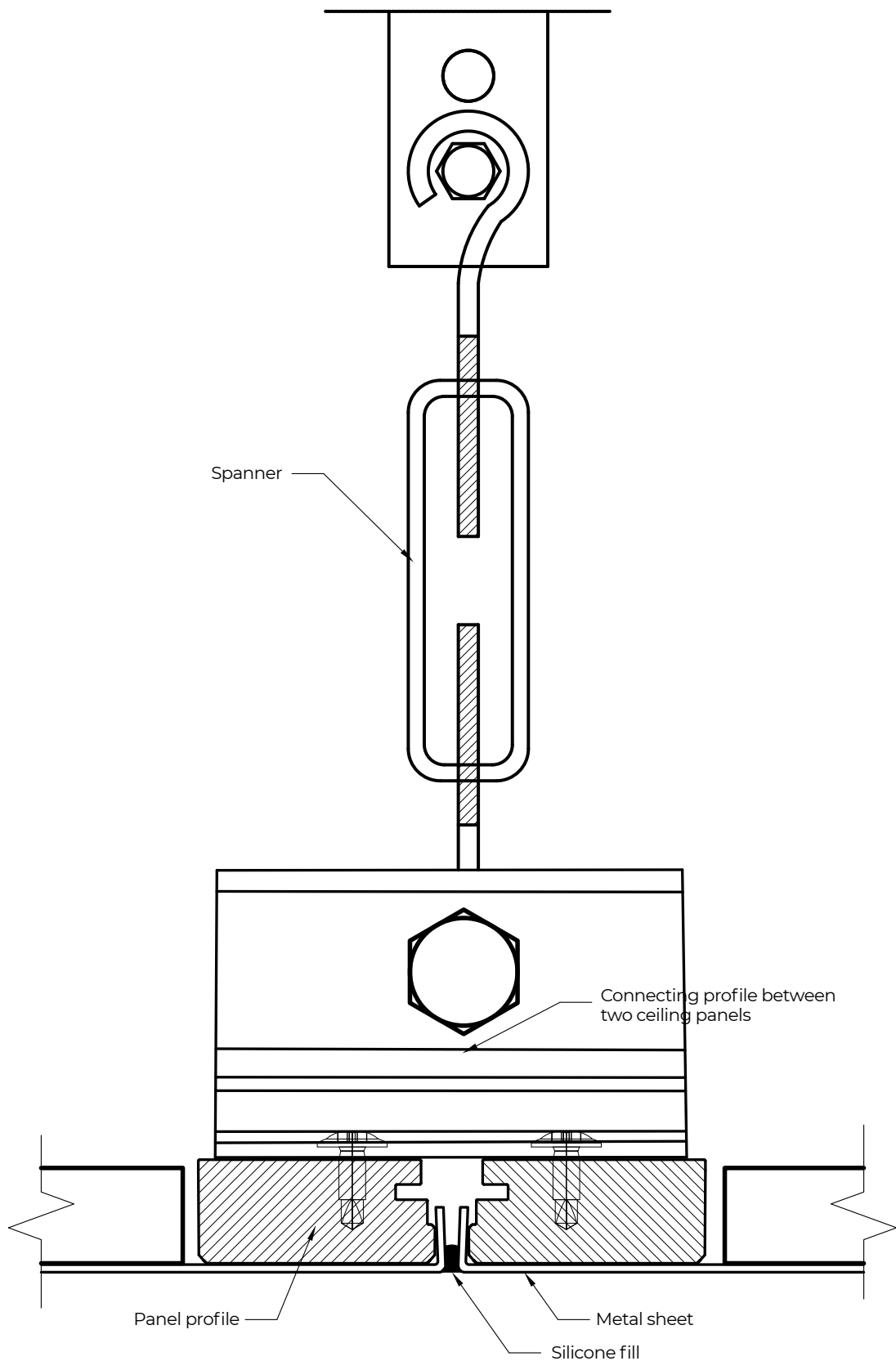
Walkable Ceiling Technical Data		
Element	Component	Characteristics
Panel Profile	Wall Frame	Al profile, w/h = 61 / 26 mm, d = 2 mm
	Pre-fabricated Cut-out	d = 2mm, w/l = 60 / 26 mm
	Electrical Chanel	d = 2mm, w/l = 60 / 80 mm
Insulation	Rock wool	Options: 100 kg/m ³ ; 135 kg/m ³ ;
Finish Layer	PVC Laminated Galvanized Sheet	Standard Color: RAL 9016 - 110 µm; d = 0.8 mm
	PVC Laminated Al Sheet	Standard Color: RAL 9016 - 110 µm; d = 1,2 mm
	INOX	Options: INOX 304 and INOX 316
Modular Dimensions Max		62 x 1200 x 3100 mm

Non-Walkable Ceiling Technical Data		
Element	Component	Characteristics
Panel Profile	Wall Frame	Al profile, w/h = 16 / 37.5 mm, d = 2 mm
	Pre-fabricated Cut-out	Al profile, w/h = 16 / 37.5 mm, d = 2 mm
	Pre-fabricated Cut-out	Al profile, w/h = 16 / 37.5 mm, d = 2 mm
Insulation	Gypsum Board	d = 15 mm
Finish Layer	PVC Laminated Galvanized Sheet	Standard Color: RAL 9016 - 110 µm; d = 0.8 mm
	PVC Laminated Al Sheet	Standard Color: RAL 9016 - 110 µm; d = 1,2 mm
	INOX	Options: INOX 304 and INOX 316
Modular Dimensions Max		20 x 1200 x 3100 mm

Connection Ceiling-Ceiling

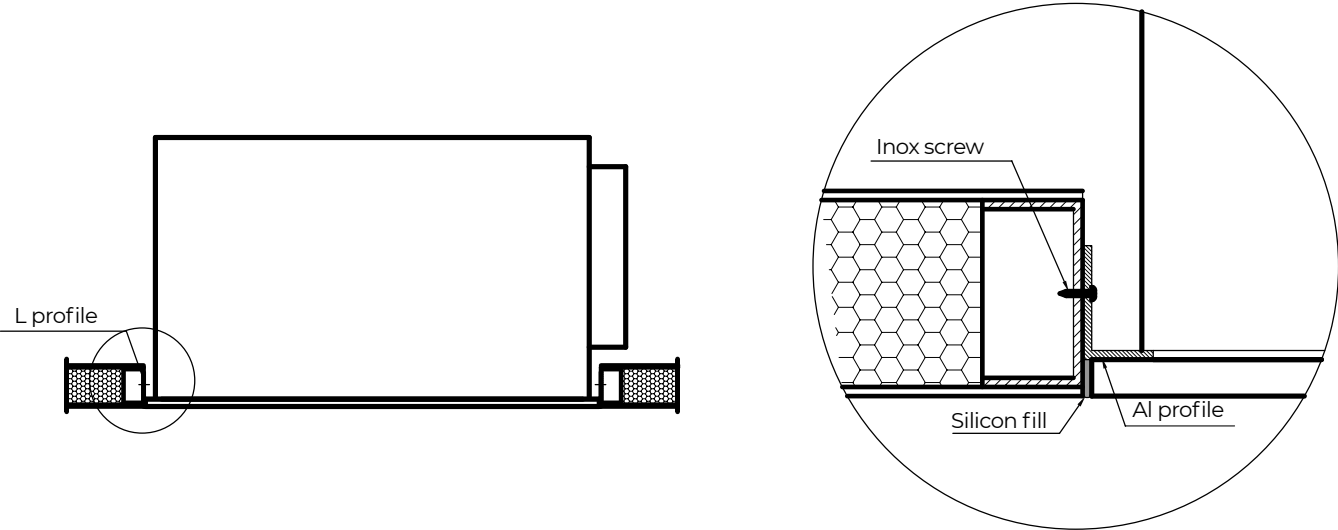


Connection Non-Walkable Ceiling

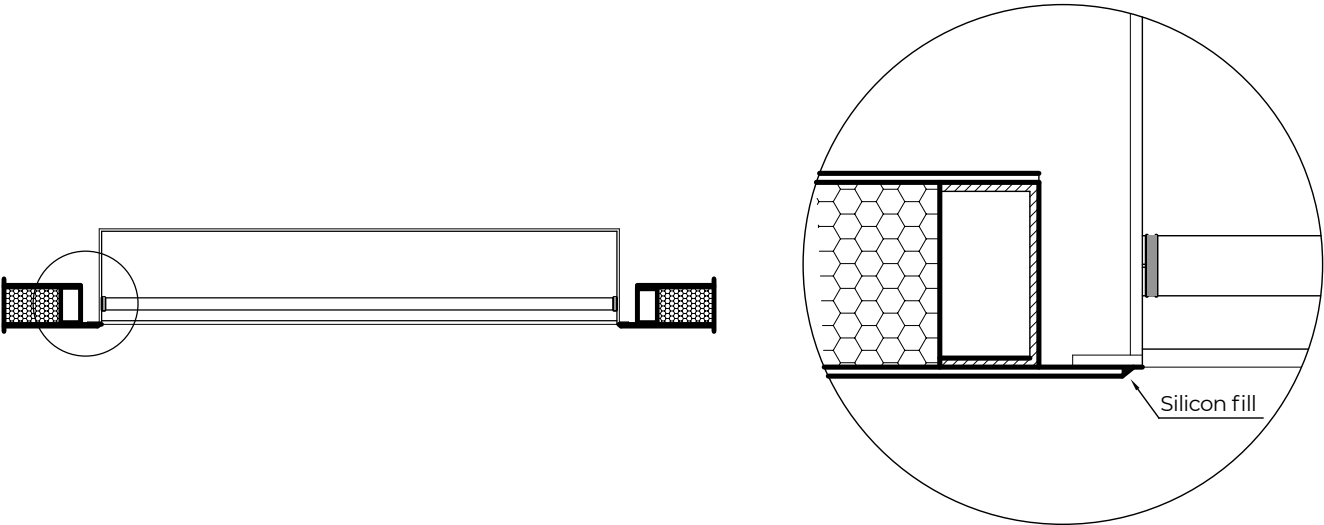


Connection Ceiling-Technical Installations

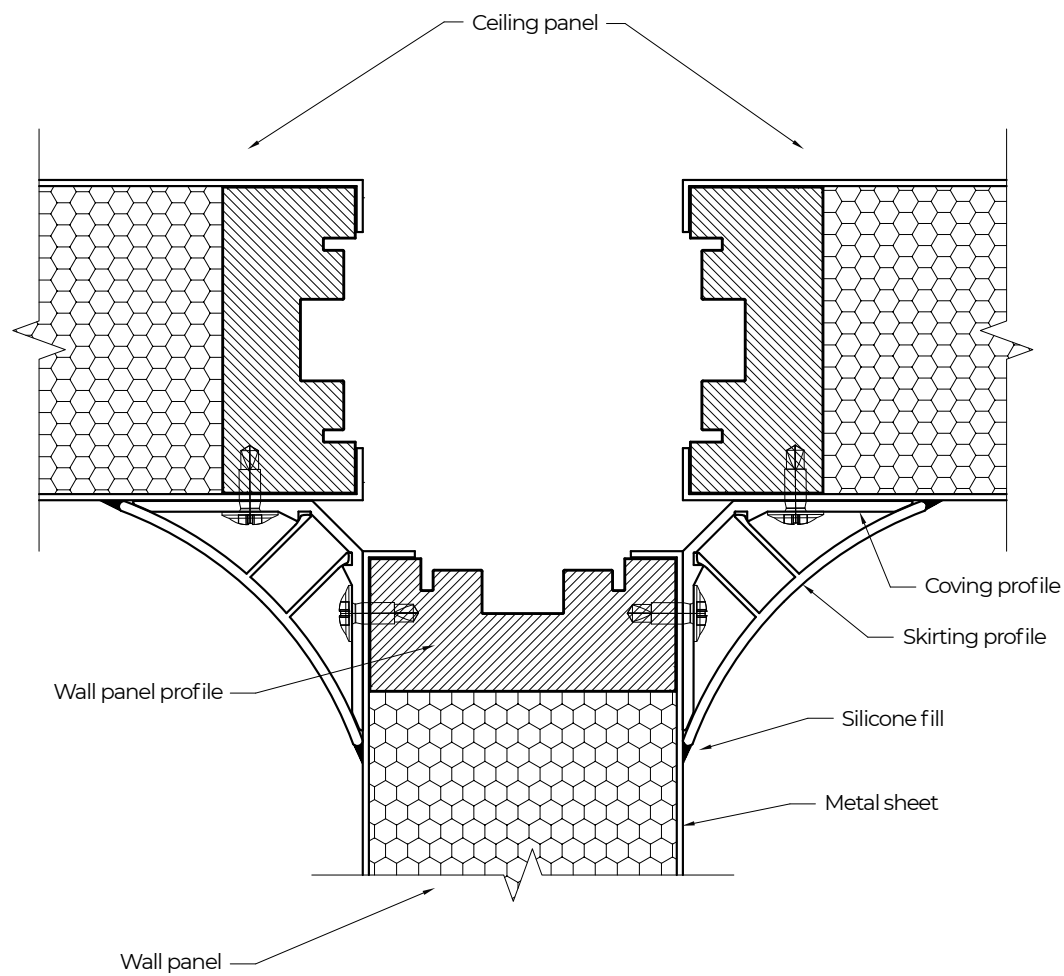
Connecting detail between ceiling and HVAC



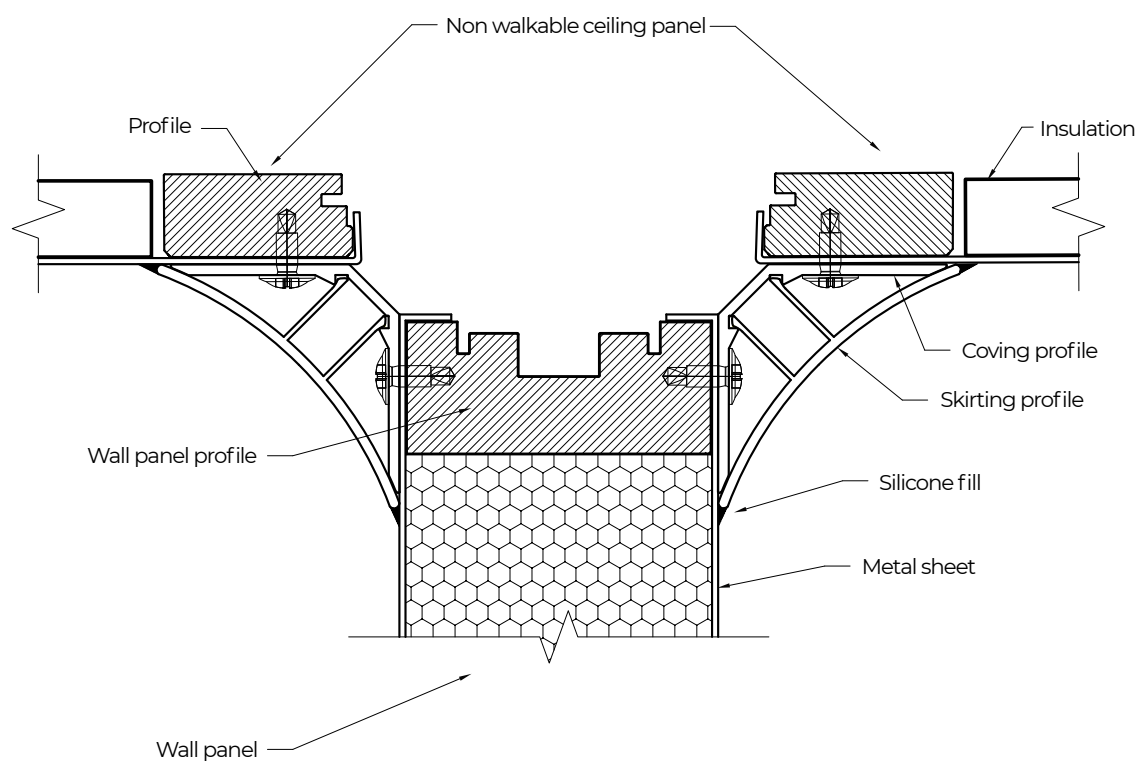
Connecting detail between ceiling panel and light



Connection Ceiling-Wall



Connection Non-Walkable Ceiling -Wall



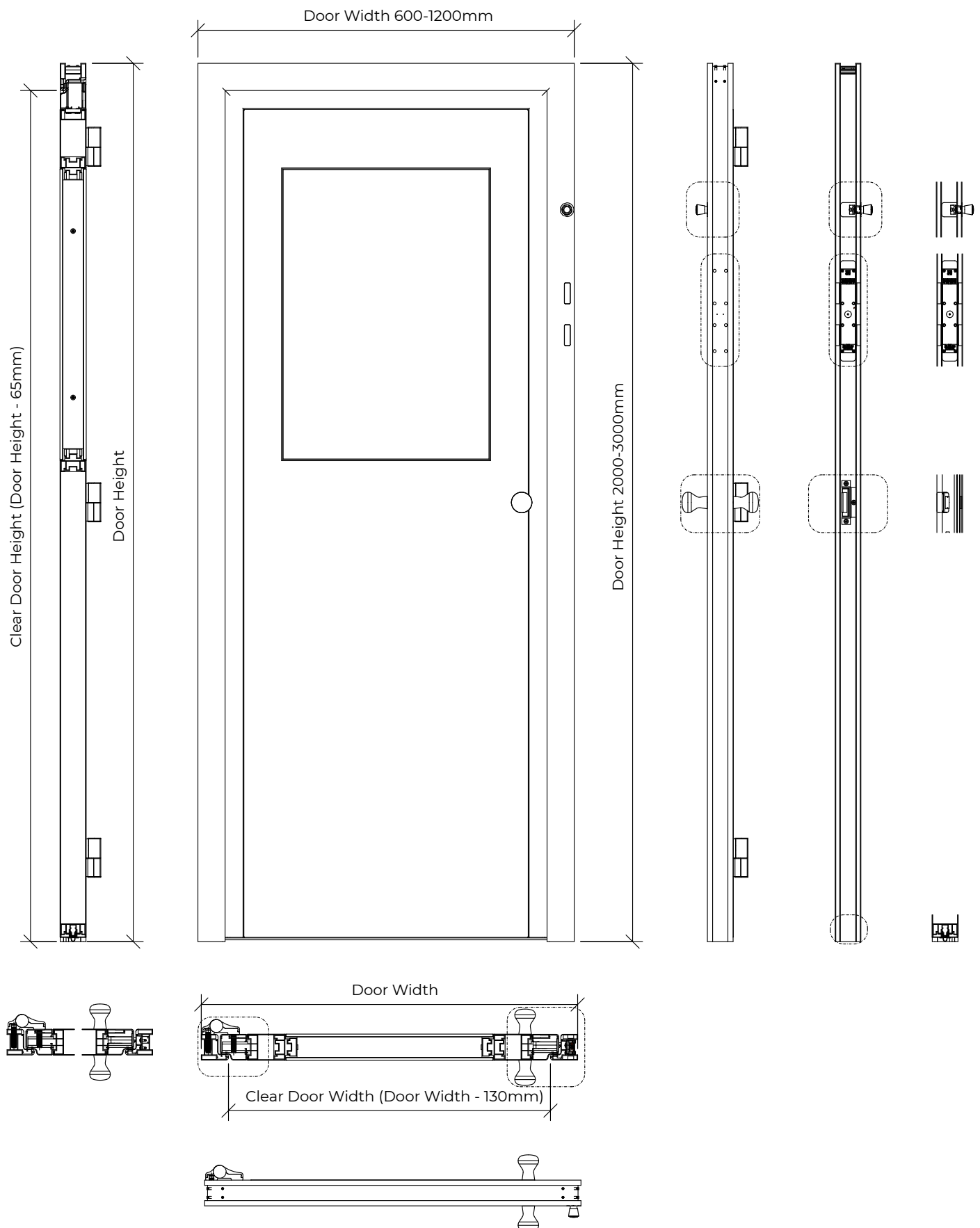
CLEANROOM
DOOR

TECHNICAL SPECIFICATION OF CLEAN-ROOM DOOR

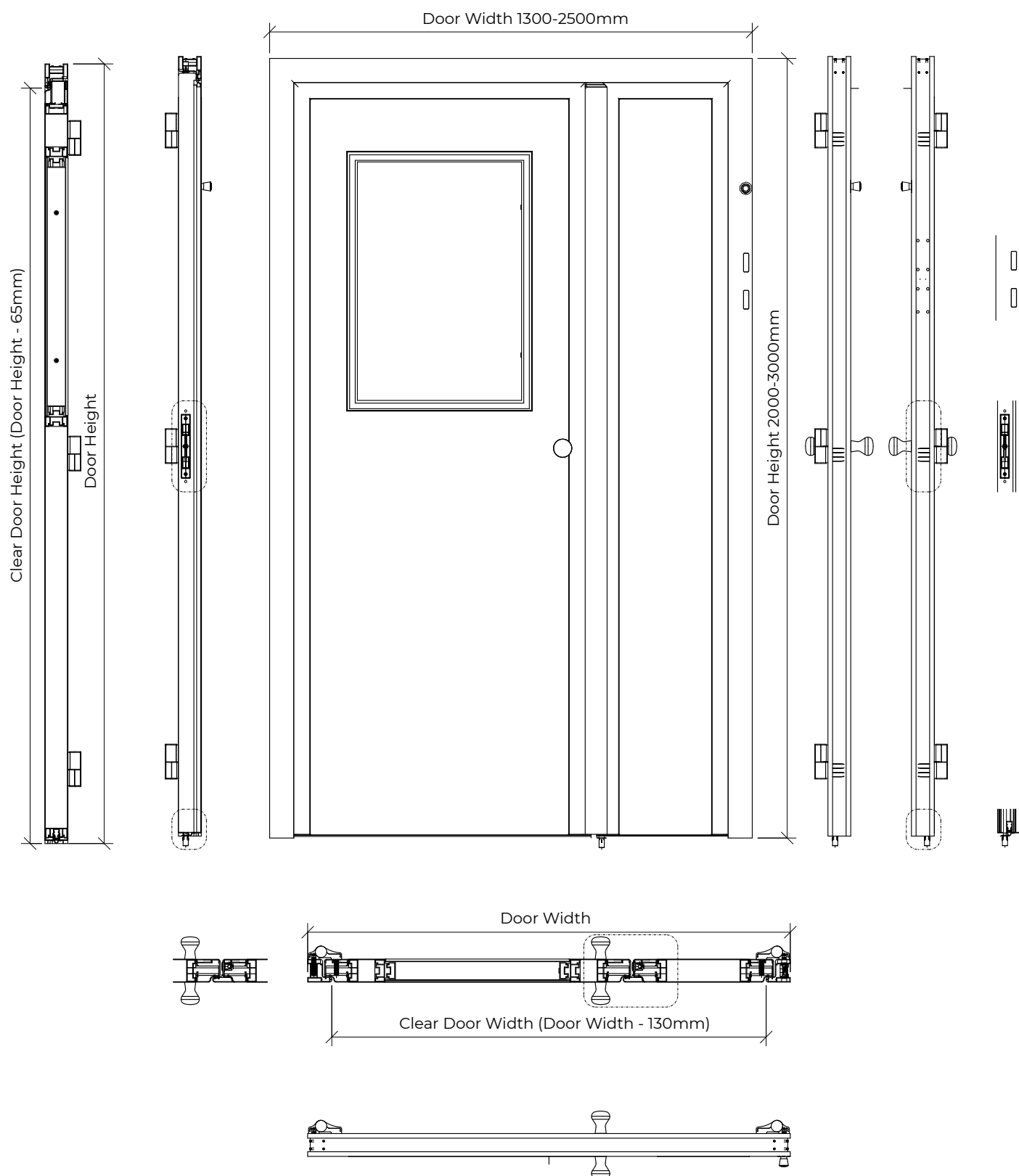
Door Technical Data		
Element	Component	Characteristics
Door Profile	Door External Frame	Anodized aluminum profile, w/h = 62 / 63 mm, d = 2 mm
	Door Wing Frame	Anodized aluminum profile, w/h = 62 / 63 mm, d = 2 mm
Insulation	Rock wool	Options: 100 kg/m ³ ; 135 kg/m ³ ;
Finish Layer	PVC Laminated Galvanized Sheet	Standard Color: RAL 9016 - 110 µm; d = 0.8 mm
	PVC Laminated Al Sheet	Standard Color: RAL 9016 - 110 µm; d = 1,2 mm
	INOX	Options: INOX 304 and INOX 316
Single Swing Door Max Dimensions		62 x 1100 x 3100 mm
Double Swing Door Max Dimensions		62 x 2200 x 3100 mm

Door Accessories Options	
Element	Characteristics
Window	TVG Glass Panel, max dim: 62 x leaf dimensions minus 126 mm
Door Bottom Seals	GMP Automatic O Ring - hermetic connection between door and floor
Push Plate	INOX plate for hand on push side; Standard dim: 250 x 100 mm
Kick Plate	Door bottom INOX plate for on push side; Standard dim: leaf width x 300 mm
Door Handle	Big or small knob
Emergency push bar	INOX
Lock with key	INOX
Door Closer	Closer without box and visible handle, Additions for stopping and holding the door
Motorized Door Closer	Push or Pull
Interlock System	Read Sensor, Traffic light with green and red light, buzzer, electro-magnetic lock. PLC and Emergency Button is additional option

SINGLE SWING DOOR DETAILS

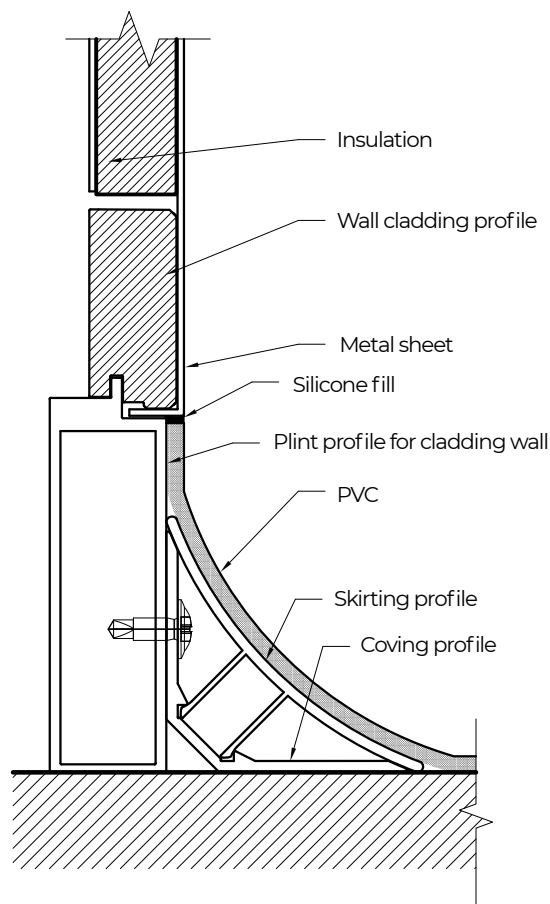
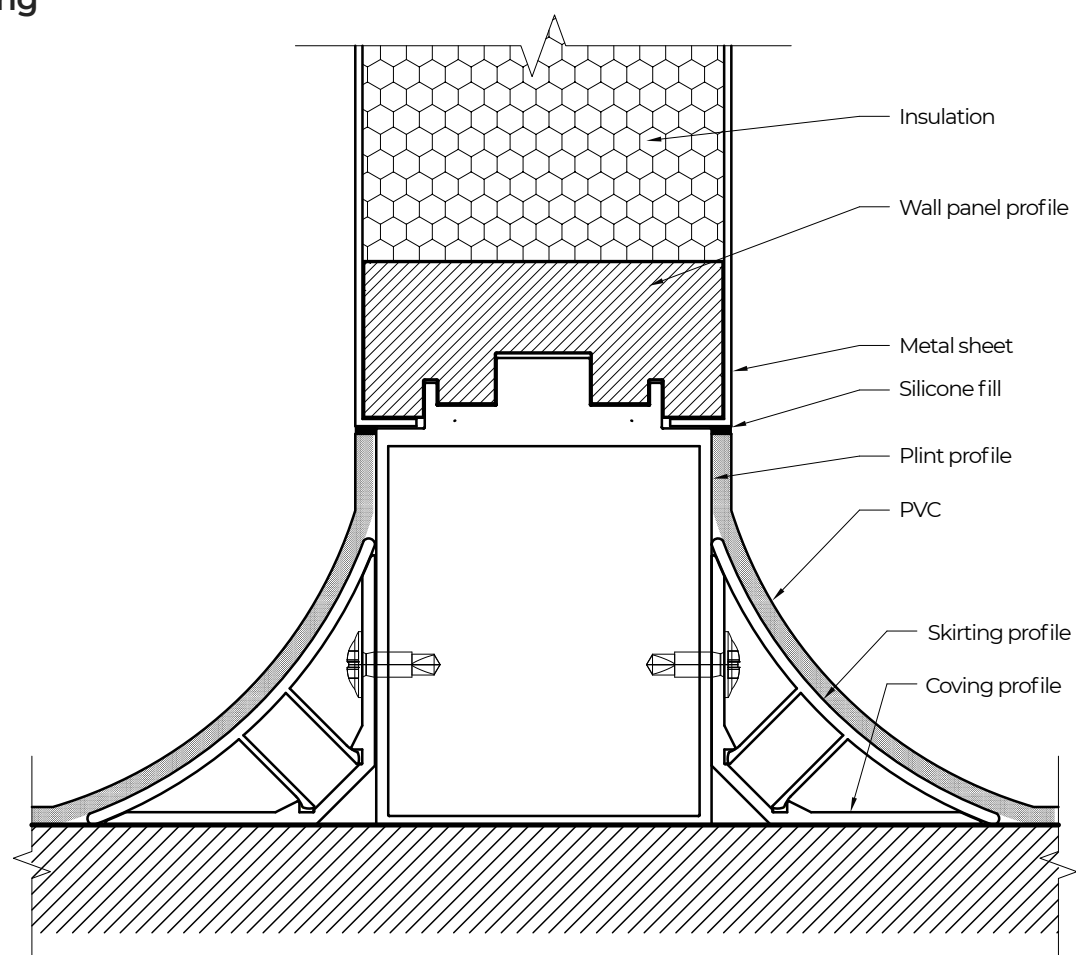


DOUBLE SWING DOOR DETAILS

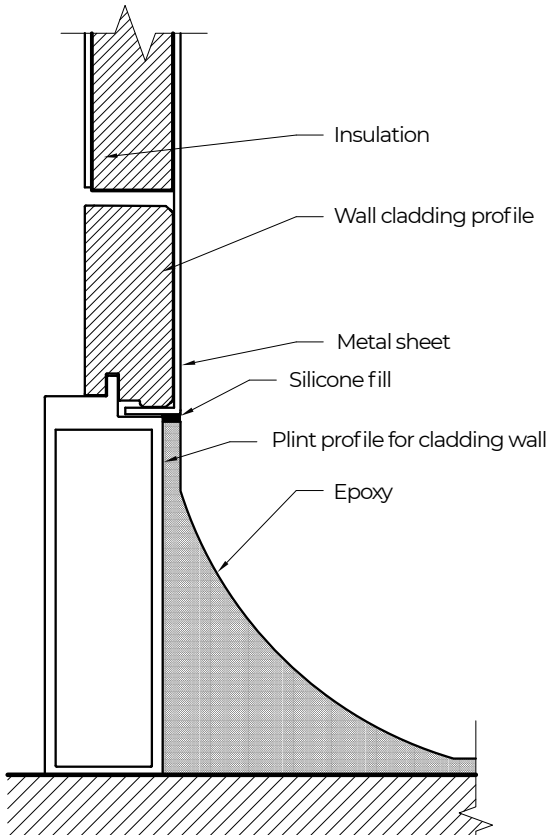
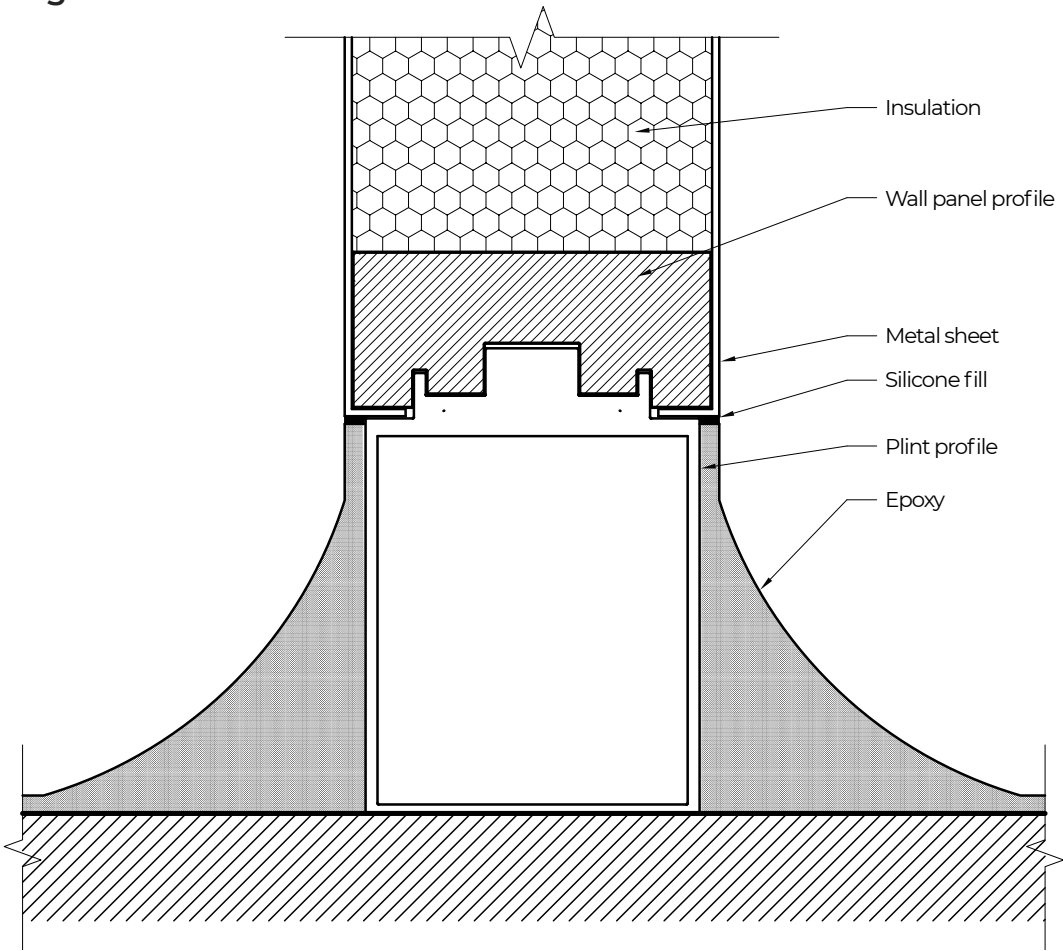


CLEANROOM FLOORING

PVC Flooring



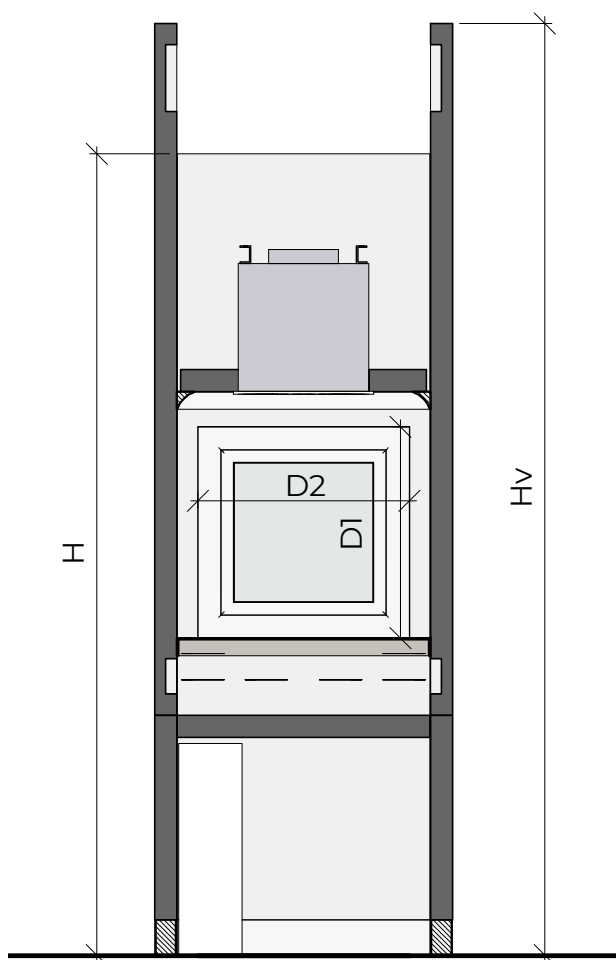
EPOXY Flooring



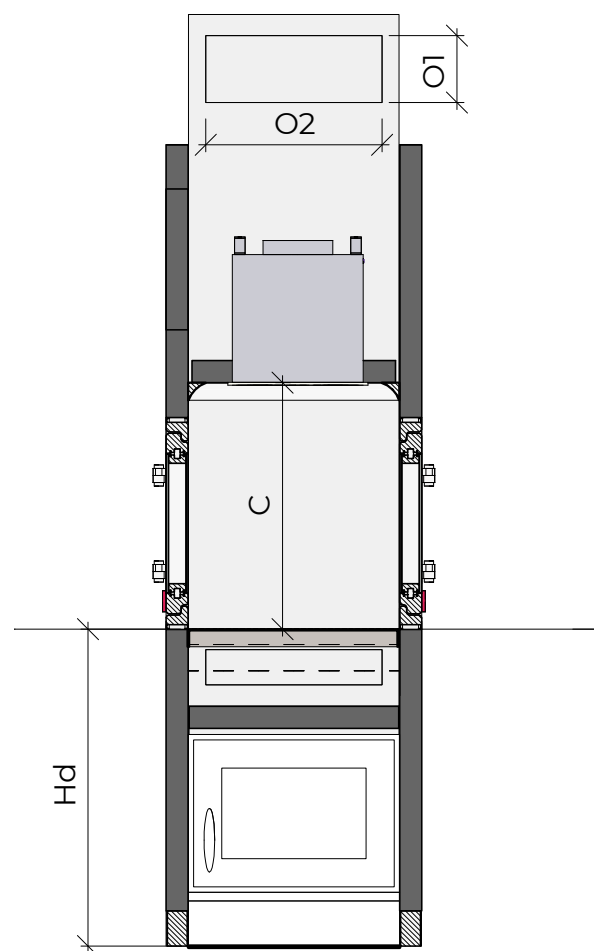
CLEANROOM ACCESSORIES

Pass-Box Technical Data		
Position	Component	Options
Wall	Panel Finishes	Aluminum, Galvanized Steel, and INOX
Panel	Door	Hermetic Doors: Aluminum, Galvanized Steel, and INOX finishes
	Window	Standard Window: 500 x 700 mm
	Interlock System	Standard solution with 2 interlocked doors
Floor	Floor Finish	Aluminum, Galvanized Steel, and INOX
Ventilation	Ventilation Type	Passive or Active (HEPA 14, HEPA 13)
Ceiling	Lighting	Dimensions A/B/H 620x620x108mm, Ingress protection, rating IP65, Impact resistance IK10, 5500lm, 50/44W 110/125 lm/W, 4000K, CRI UGR 80, LED service life 60.000h
Pass Box	Accessories	Pressure Sensors Touch Screen Automatic Door
Standard Pass Box Inner Dimensions		750 x 750 x 750 mm

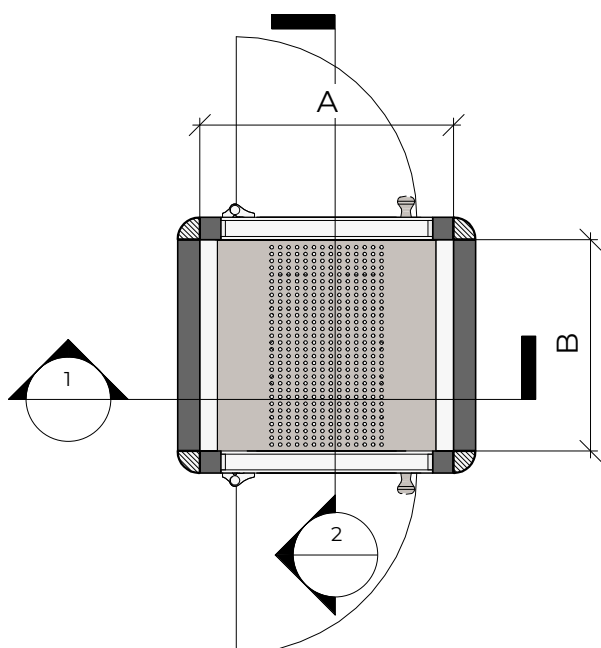
PASS BOX DETAIL



1 Section 1
1:20



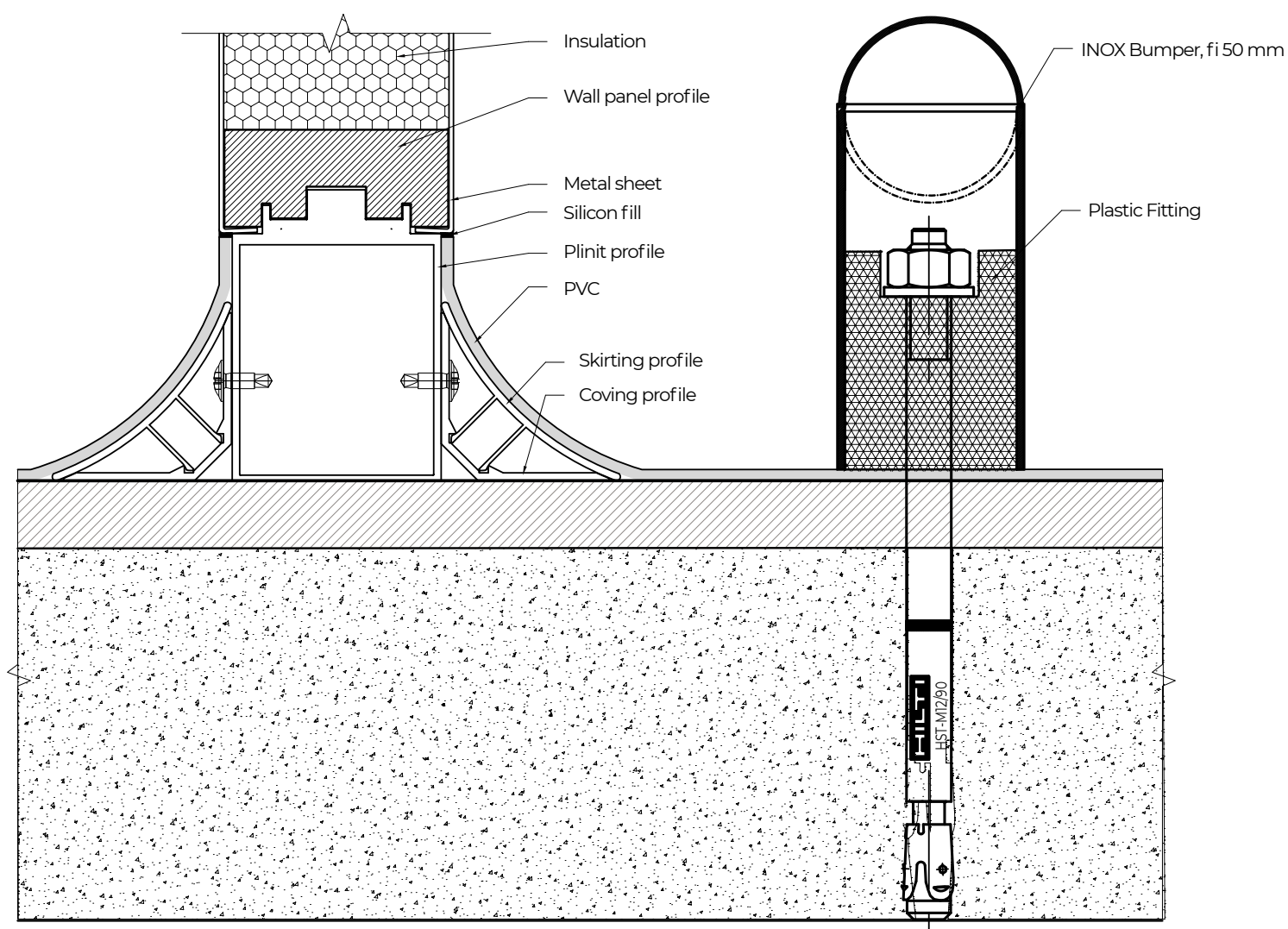
2 Section 2
1:20



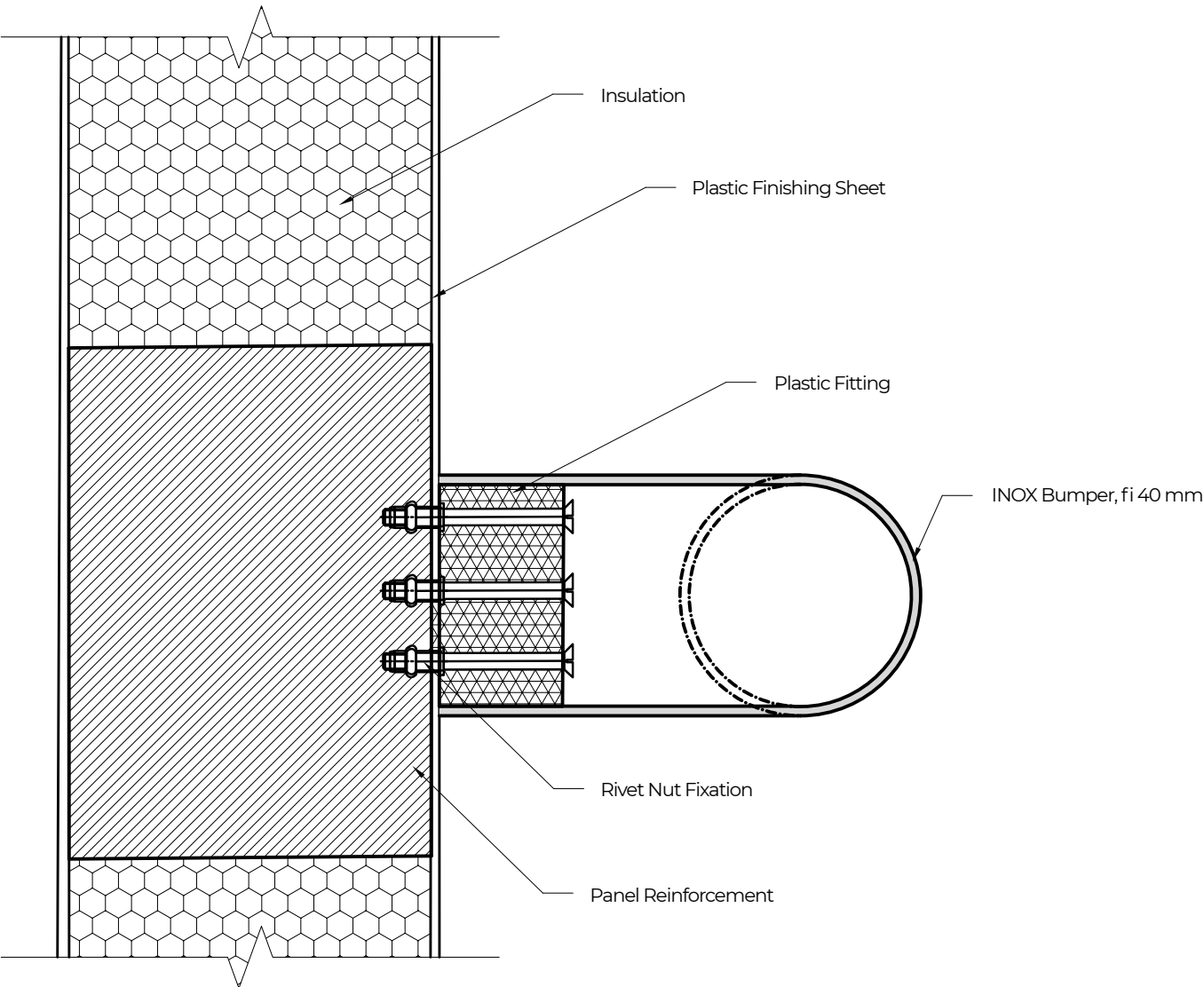
CLEAN ROOM PROTECTION TECHNICAL DATA

Technical Data			
Position	Component	Options	Description
INOX	Wall	INOX Sheet, d = 1,5 mm, h = 300 mm Bumper, ø 50 mm	Electropolished Fine brushed
	Floor	Bumper, ø 50 mm Pillar, ø100 mm	Electropolished Fine brushed
	Corner	Curved inox sheet, d = 1,2 mm Curved Bumper, ø 50 mm	Electropolished Fine brushed
	Door	Inox sheet (kick plate) INOX Tube, ø 50 mm	Electropolished Fine brushed
PP Plastic	Wall/Door	Plastic plate, d = 20 mm	No sharp edges, Color: RAL Chart
HPL	Wall/Door	HPL, d = 4 mm	No sharp edges, Color: RAL 9010

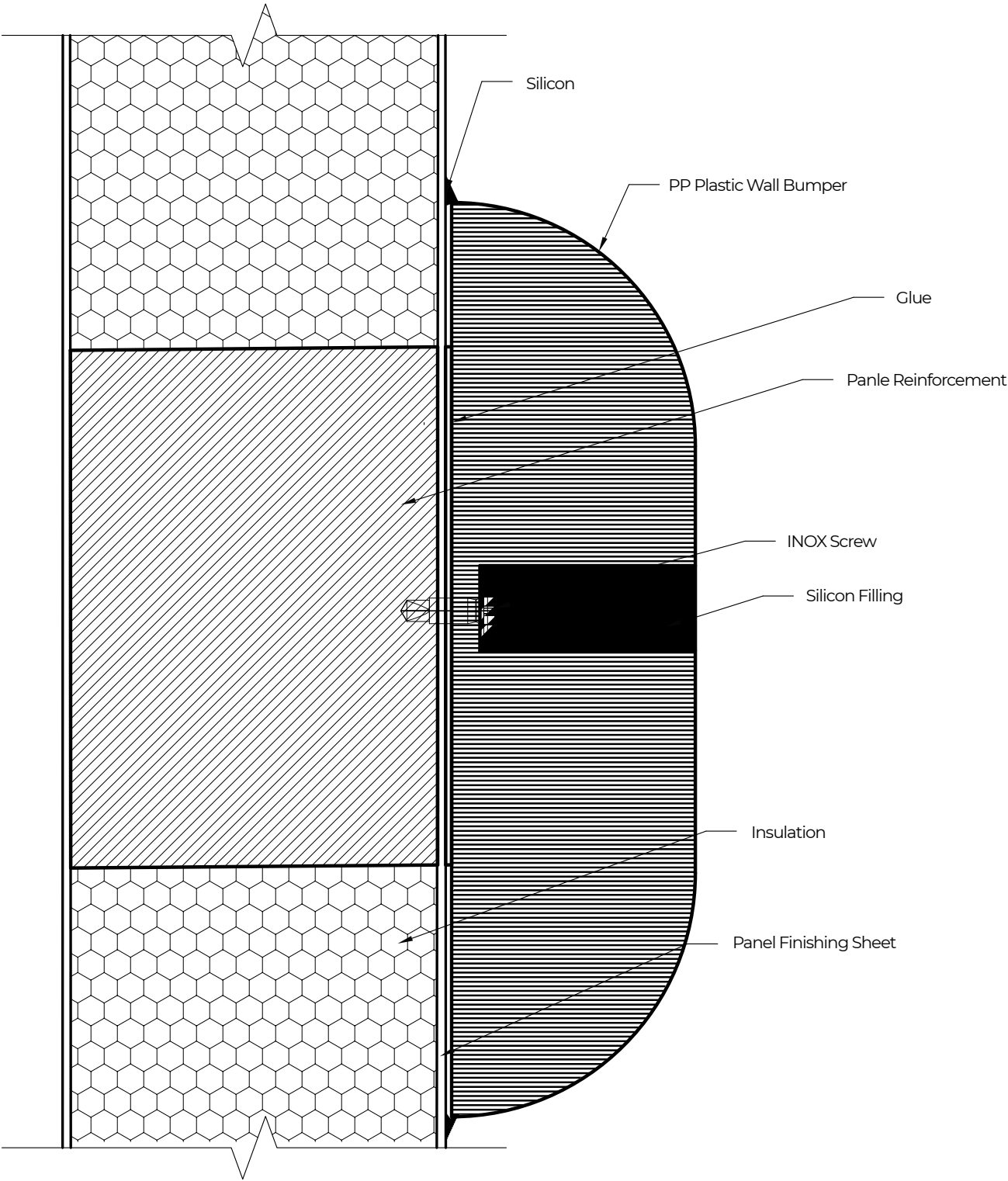
Inox Floor Protection



Inox Wall Protection



PP Plastic Wall Protection





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