

TECHNICAL DATA SHEET

v02.2016

INSTANT PASS BASIC

FOLD UP WINDBREAK SPEED DOOR

The model INSTANT PASS BASIC from Angel Mir is a fold up speed door suitable for entrances facing outwardly.

It withstands very heavy air or wind pressures or depressions without leaving its guides, without undergoing wear or deformations, and remaining therefore unchanged for many years.

Maximum sizes 6000 x 6000

Wind resistance on standard configuration: Class 2

CHASSIS

× **General:**

- Self-supporting, it must be fastened to a structure or wall.
- Galvanized steel.

Element	Material	Details
Foot	Galvanized steel sheet folded on U-shape.	Inside, it has a reinforcement of omega-shaped folded sheet, granting greater stiffness and strength.
Ramps	Galvanized steel sheet	At the bottom of the foot, for centring the curtain when door closed.
Angle units	Aluminium	Rounded shape to avoid frictions and wear to the curtain.
Base	Galvanized steel sheet	It has holes for fastening to the ground.
Fastening	Anchoring suitable to the kind of support (metallic, chemical dowels, etc.)	Fastening to the ground and, according to the height and the required wind pressure, several intermediate fastenings on walls or on a resistant structure.

× **Head:**

Element	Material	Details
Crosspiece	Galvanized steel sheet	Box-shaped with an omega-shaped reinforcement located on the inner wall.
Side supports	Galvanized steel sheet	It has housings for the ball bearings supporting the shaft. Welded to the crosspiece.
Central supports	Galvanized steel sheet	One for each pulley. There are housings for the centring ball bearings. Welded to the crosspiece.
Shaft	Aluminium pulleys	Of Ø110mm with reinforcement radius and hollow central knot with keyway.
	Solid profile of galvanized steel	Of Ø25.4mm with keyway along its entire length.
* The whole unit makes up a very strong beam that, resting on the feet-guide, supports the weight of the canvas and the lifting mechanism (gear-motor, shaft, pulleys and belts).		
Fastening	Anchoring suitable to the kind of support (metallic, chemical dowels, etc.)	It is fixed on the lintel or a resistant structure to keep the vertical position and to avoid the bulging or movements due to the shaft rotation.

Structure options

✓	Stainless steel AISI 304
✓	Assembly through the outside of the void

CANVAS

Element	Mass (kg/m ²)	Work temperature (°C)	Characteristics
Canvas	0.95	-20...+70	Base of high strength polyester technical fabric, coated with dyed PVC.
Material			Characteristics
Side reinforcements	Width ≤ 4500mm	Composite tubular profile of fiberglass and polyester	Different diameters and thicknesses depending on the resistance required. For higher wind types, they may be made of steel.
	Width ≥ 4500mm	Tubular profile of galvanized steel	Different diameters and thicknesses depending on the resistance required.
Skirting board	Composite tube of fiberglass and polyester		To support the contact band.
Fitting to the ground	Bottom bag of polyester coated with PVC		Yellow with black diagonal stripes and with Velcro® opening system for access to the contact band, and Radio Band transmitter.
Welding	All welding through high frequency including windows.		
Finishing	Bright lacquered on both sides; colour to be chosen from a wide range.		

Colours	Colours similar to RAL						
Reaction to fire M2	Red 3002	Yellow 1003	Green 6026	Blue 5005	Grey 7016	Grey 7040	White 9003
Reaction to fire M3	Ivory 1014	Orange 2004	Orange 2002	Black 9005	Brown 8016	Grey 9006	

Material	Characteristics
Interior panel reinforcements	Black PVC of 3 mm
Caps	Welded to the canvas. Reinforced with polyester fabric to avoid wear through friction.
Lifting belts	Located at the reinforcement ends to eliminate noises and frictions of the canvas against the guides.
Belt guides and lock clamps	Width: 47mm Thickness: 1,25mm
	Polyamide Akulon
	Parts manufactured by injection

Components	Composition
Resistant Characteristics	Wind resistance (supervision by OT)
	Standard: Class 2 (95 km/h) Optional: Class 3 (120 km/h)

Canvas options
✓ PVC windows. Transparent glass quality 1 mm thick. Positive temperatures.

MOTORISATION

Element	Characteristics
Operator	EKM compact irreversible gear motor for intensive use, including integrated position switches.
Situation	On one side of the head.
Position switches	Mechanical.
Spring safety system	Internal.
Shaft	Void of 25,4 mm. With keyway.
Electro brake	For precise positioning and canvas locking.
Unlocking	Through handle.
Manual drive	Through crank. On doors higher than 3000mm, chain drive.
Voltage in volts	230 / 400 V three-phase.
Frequency in Hz	50 Hz
Power	0.6...1.87 CV / 0.45...1.38 kW, depending on door sizes.
Protection IP	IP 54

Motor options
✓ Front motor with chain drive.
✓ Motor protection, with or without lid, made of galvanized steel sheet, painted same colour as the door.
✓ Special voltages and frequencies.
✓ Protection increases to IP 65

Control panel	
Model	EKM TS970 DUAL
Keys on exterior lid	Switches for opening, closing and emergency stop. Voltage breaker.
Protection against overvoltage	Thermal relay.
Display registering status and information	Reports: position, kind of failure and manoeuvre controller.
Control box IP	PVC, with input/output cable glands.
Protection	IP 65
Voltages	Power supply: 230 / 400 V three-phase Manoeuvre: 24V
Electrical installation of control panel to motor and to fixed elements to the feet	Protected by standard rectangular conduit in PVC. Speed connectors at its ends for an easy assembly and maintenance.

Control panel options
✓ Maintenance indicator
✓ Special voltages and frequencies

OTHER CHARACTERISTIC ELEMENTS / QUALITIES / OPTIONS

✖ Door electrical data

The voltage wiring up to the panel unit has to be completed by a licensed electrician and must be protected according to the existing rules and standards.

STANDARD electrical characteristics	
Voltage V	230 / 400V three-phase.
Frequency Hz	50 Hz
Power kW	0.55...1.48 kW, according to door size.
Protection	IP 54

For other voltages and frequencies, please ENQUIRE

Other characteristics	
Work temperature	Standard: +5...+50°C It cannot be used in cold stores with negative temperature. If assembled outside, it can withstand, occasionally, negative temperatures down to -5° in places where there is not risk of icing. In this case, no transparent peepholes can be added. To warn before manufacturing.
Special sizes	Please enquire.

Safety	Used procedure
Passage	Photocell with reflector located on the jambs of the structure.
Anti- crushing	Wireless contact band on main edge.
Anti-dragging	Photocell with reflector located on the jambs of the structure. (UNE EN12445:2000 / 4.1.2, UNE-EN 12453: 2000, 5.1.2)
Vision	Bottom of the canvas painted with safety stripes (diagonal yellow / black).
Manoeuvres	Intermittent lights indicating the manoeuvre: exterior and interior. (UNE-EN 12453: 2000, 5.1.3 c)
Motor	For manual operation, it must be driven by crank or chain.
Safety belt	Unsolicited, in red. Centred on the canvas.
Spring safety system	Included in the motor.

Safety options
✓ Photocell curtain protecting the entire door width and up to 2500 mm height assembled inside the guides.

✖ Door speeds

Speeds (m/s) *	Opening	Closing
	0.9 m/s	0.9 m/s

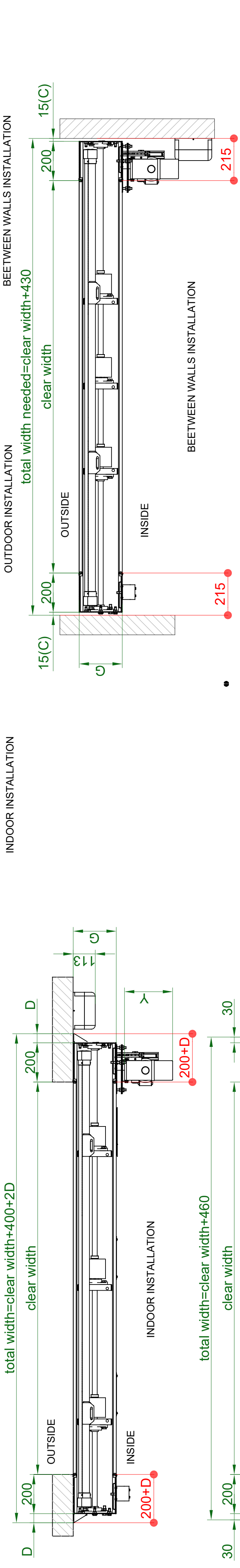
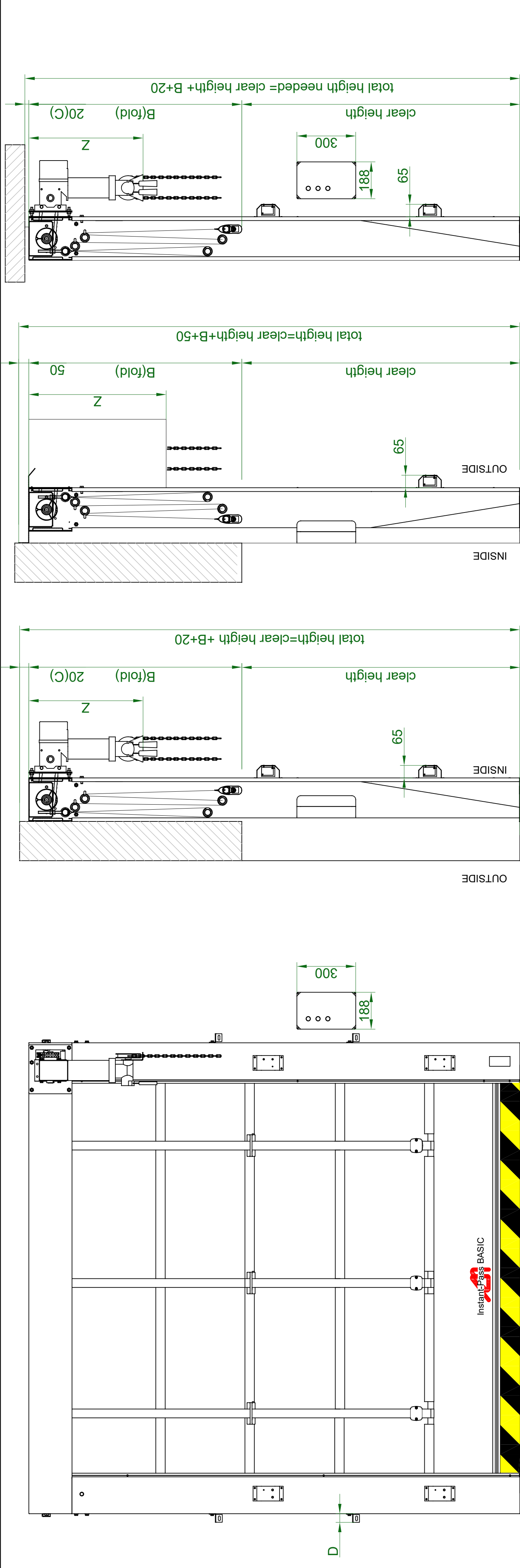
* For large doors, speeds may be different. Please inquire for specific cases.

* For other speeds, please ENQUIRE

CERTIFICATES AND STANDARDIZATIONS

Our doors are manufactured according to the UNE-EN 12453:2001 standard and meet the 98/37/CEE, 89/336/CEE, 89/106/CE y 73/23/CEE harmonization directives. They are tested and certified by a notified body, in compliance with the 13241-1 standard.

The information contained in this descriptive text is general for the referenced product. In no case is it binding or contractual. Portes Bisbal S.L. reserves the right to modify the features herein.



Model:	Instant Pass Basic with front motor		
Maximum dimensions:	6000x6000 (width x height)		
mounting conditions:	inside/outside/between walls		
Motor:	Elektromaten		
Electrical supply:	Three phase	230/400 III	
Electrical box	Elektromaten		
For special dimensions consult our technical office			

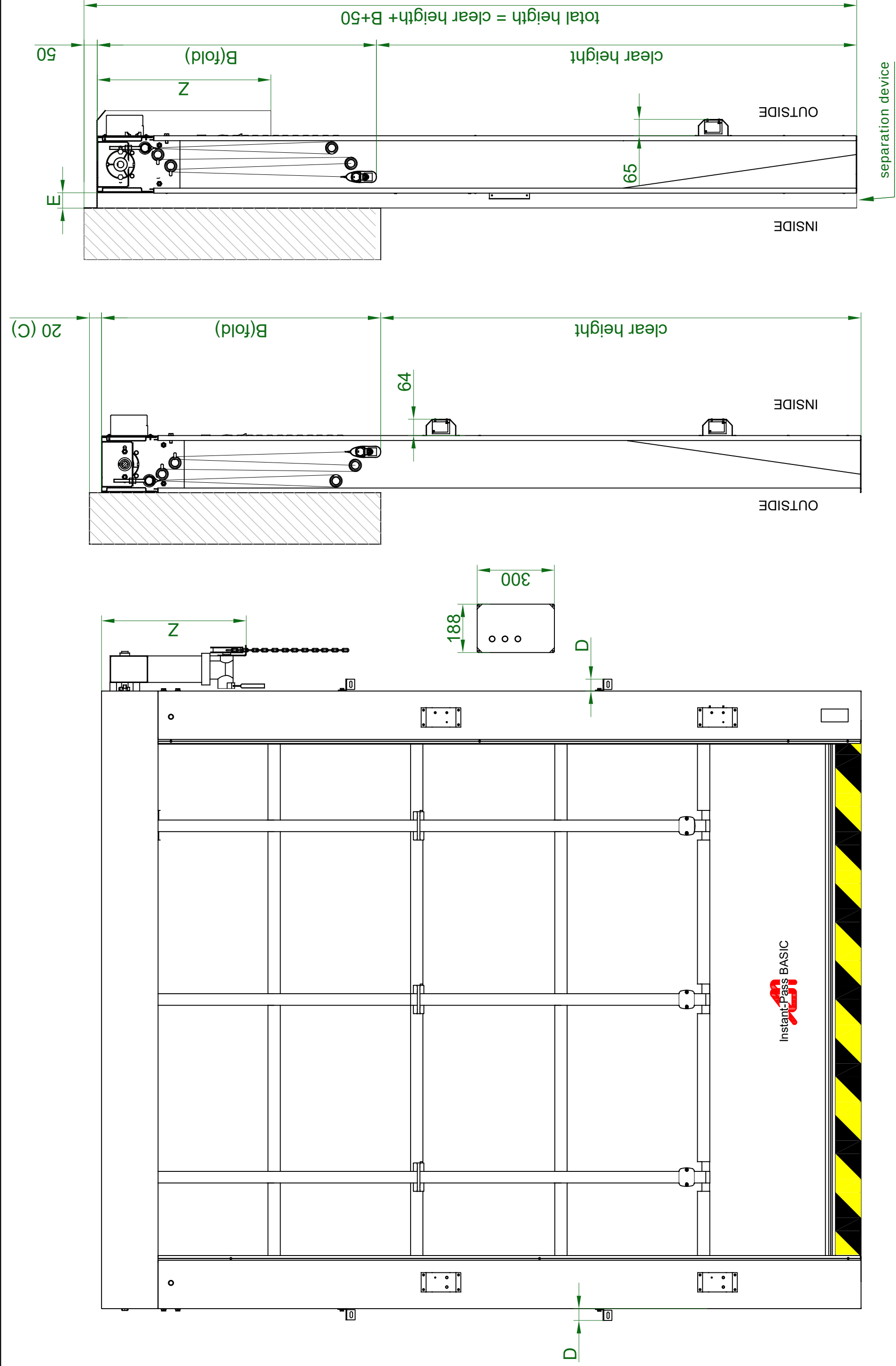
Dibujado		Nombre	Fecha
Comprobado		ofi. tecnicah	12/09/12
Familia:		Rápidas	Título: Instant Pass Basic
Tipo: Instant Pass Basic		Código:	
I/I		Material:	xxxxxx
		Hoja 1 de 3	

motor cover and roof are required for outdoor mountings

C	Installation allowance
D	-for doors up to 25m² D=46 -for doors over 25m² D=100
E	-For clear width up to 4000mm. E=60 -For clear width over 4000mm. E=90
B,G,Y,Z	Consult attached table

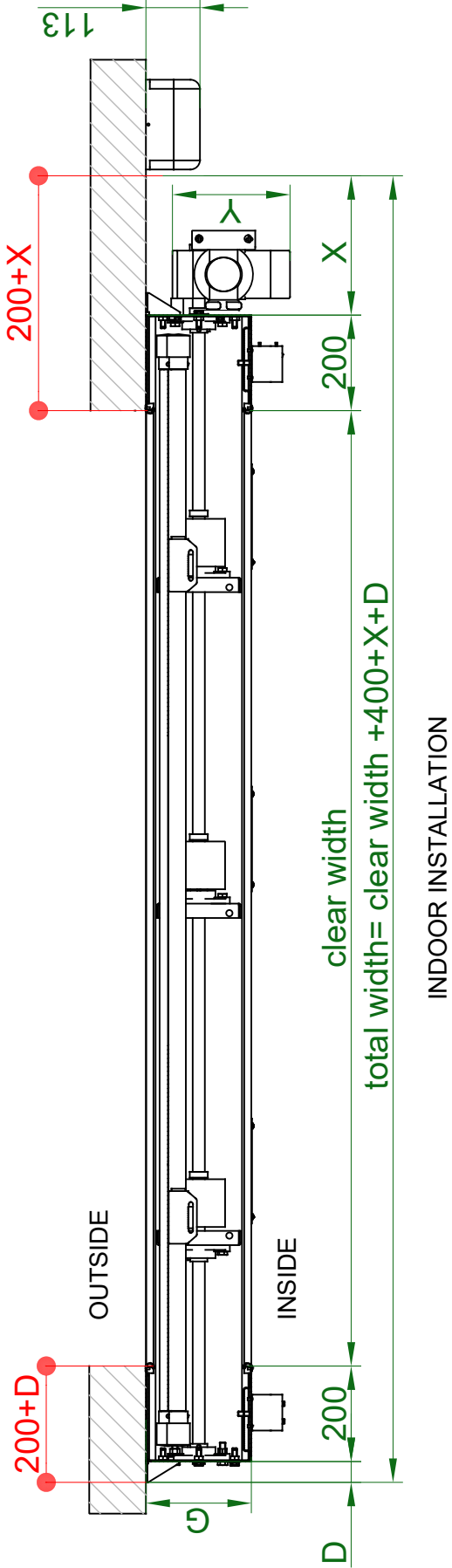
-For total height up to 3000 Manual operation by crank
-For total height over 3000 Manual operation by chain

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B,G,X,Z	Consult attached table
X dimension includes distance for assembling and disassembling the motor	
-For total height up to 3000 Manual operation by crank -For total height over 3000 Manual operation by chain	

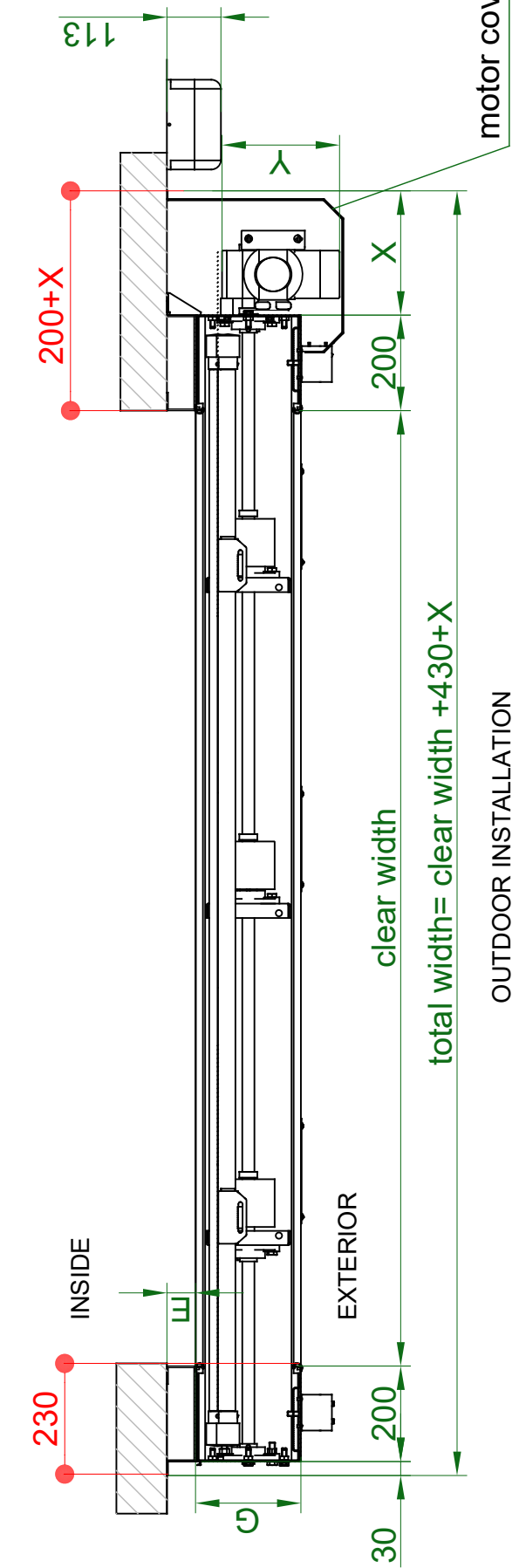


OUTDOOR INSTALLATION

INDOOR INSTALLATION



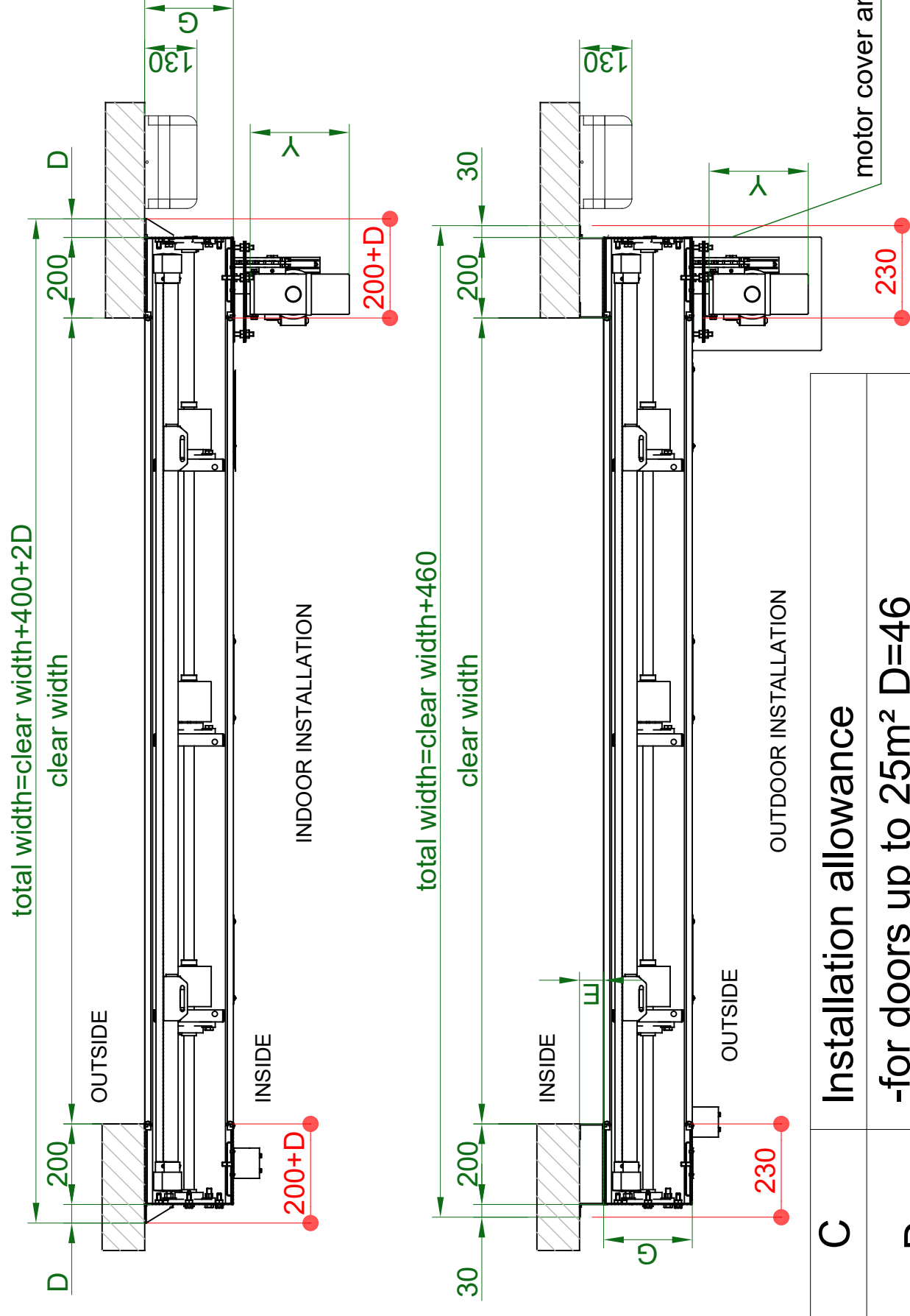
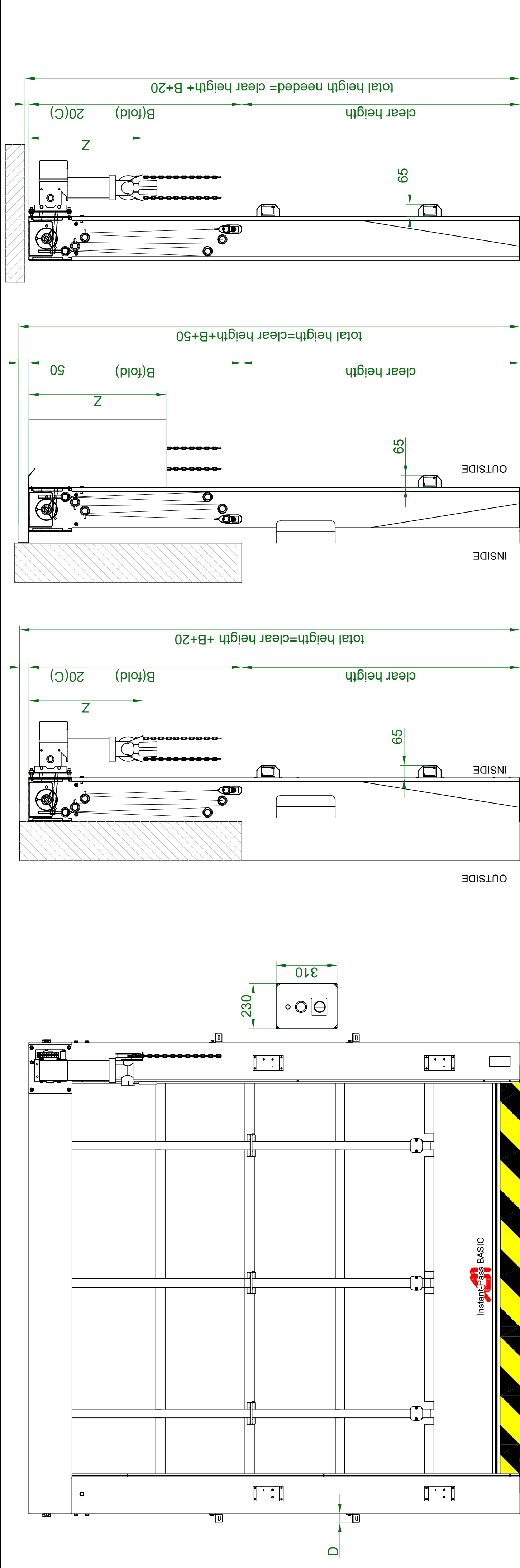
INDOOR INSTALLATION



OUTDOOR INSTALLATION

Model:	Instant Pass Basic with lateral motor
Maximum dimensions:	6000x6000 (width x height)
mounting conditions:	door mounted inside/outside
Motor:	Elektromaten
Electrical supply:	Three phase 230/400 III
Electrical box	Elektromaten
For special dimensions consult our technical office	

Dibujado	Nombre	Fecha	 ANGEL MIR 17100 LA BISBAL Gran Canaria Tel +34 972640620 Fax +34 972642451
Comprobado	of. tecnica	12/09/12	
Familia	Rápidas		
Tipo: Instant Pass Basic			Título: Instant Pass Basic
I/I	Material:		Código:
			Conjunto al que pertenece: xxxxxx
			Hoja 1 de 3



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B,G,Y,Z	Consult attached table

Model:	Instant Pass Basic with front motor
Maximum dimensions:	6000x6000 (width x height)
mounting conditions:	inside/outside/beetween walls
Motor:	Elektromaten
Electrical supply:	single phase 230 II
Electrical box	RSPV ECO
For special dimensions consult our technical office	

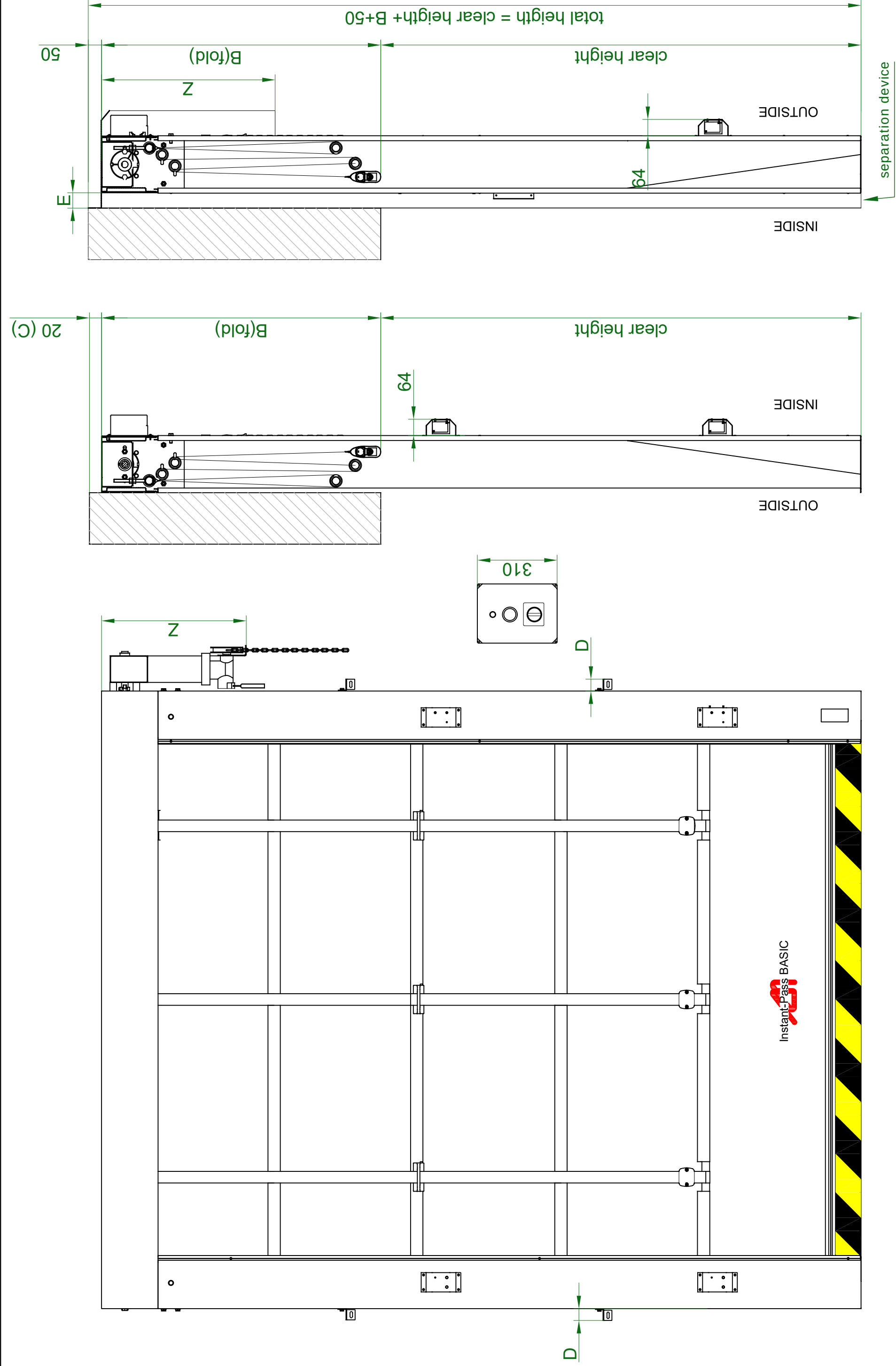
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Comprobado	ofi. tecnica	12/09/12
Familia:	Rápidas	Título: Instant Pass Basic
Tipo: Instant Pass Basic	Código:	
I/I	Material:	xxxxxx
Conjunto al que pertenece:		Hoja 1 de 3



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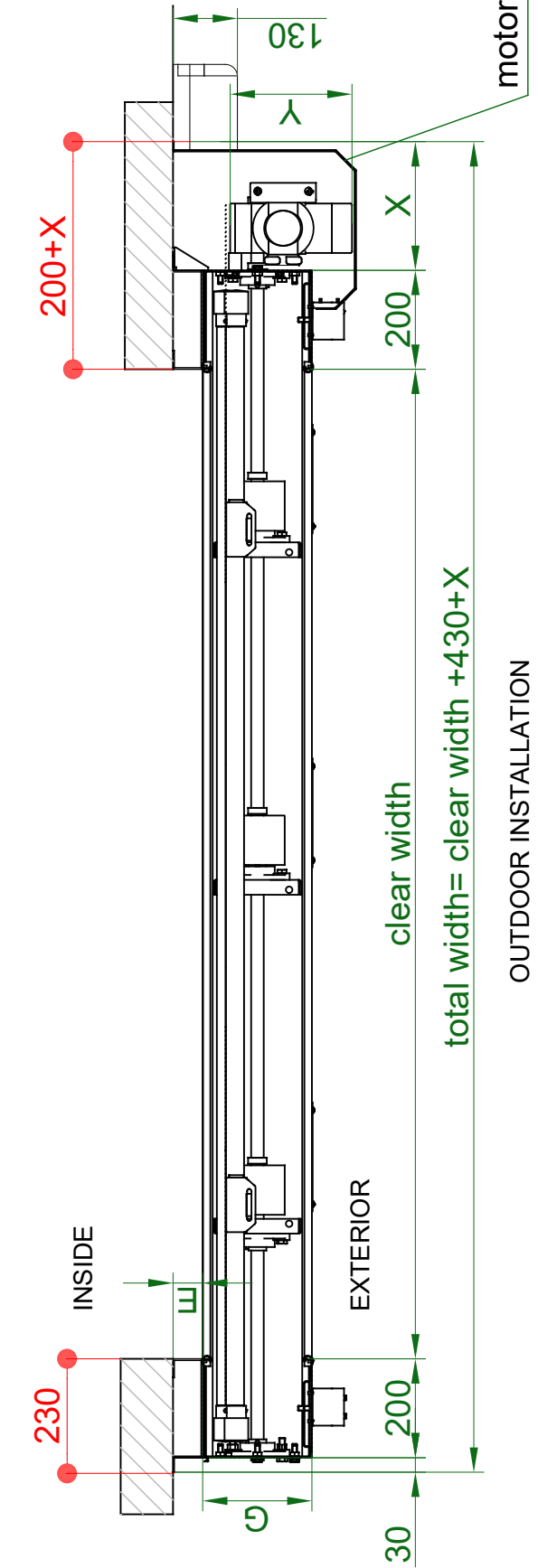
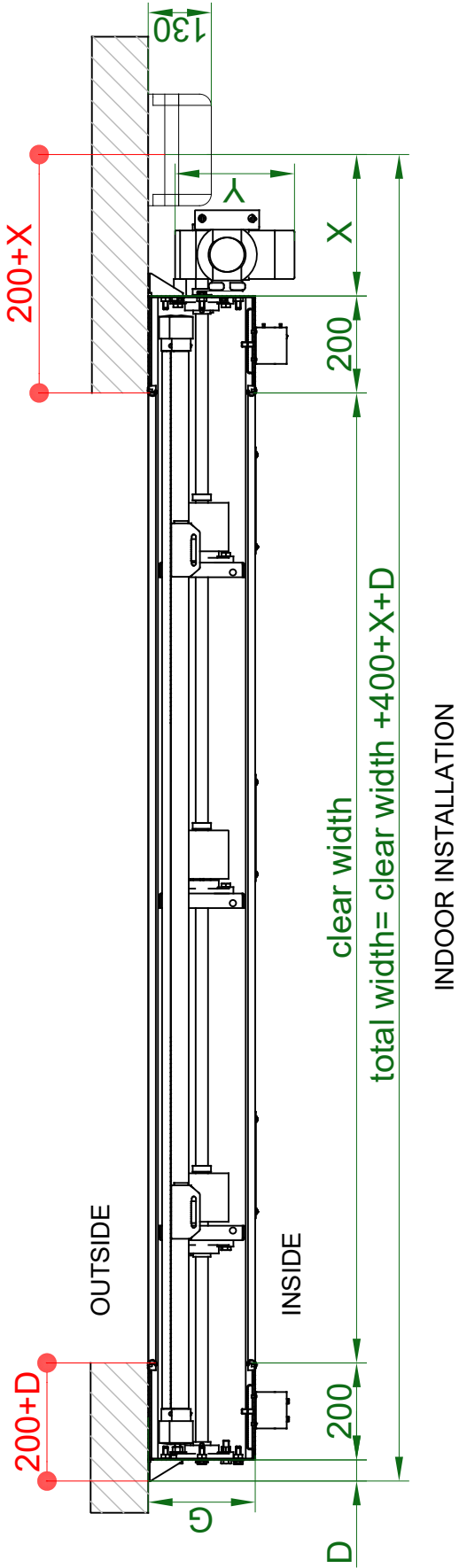
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OUTDOOR INSTALLATION

INDOOR INSTALLATION



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Maximum dimensions:	6000x6000 (width x height)
mounting conditions:	door mounted inside/outside
Motor:	Elektromaten
Electrical supply:	Single phase 230 II
Electrical box	RSPV ECO
For special dimensions consult our technical office	

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