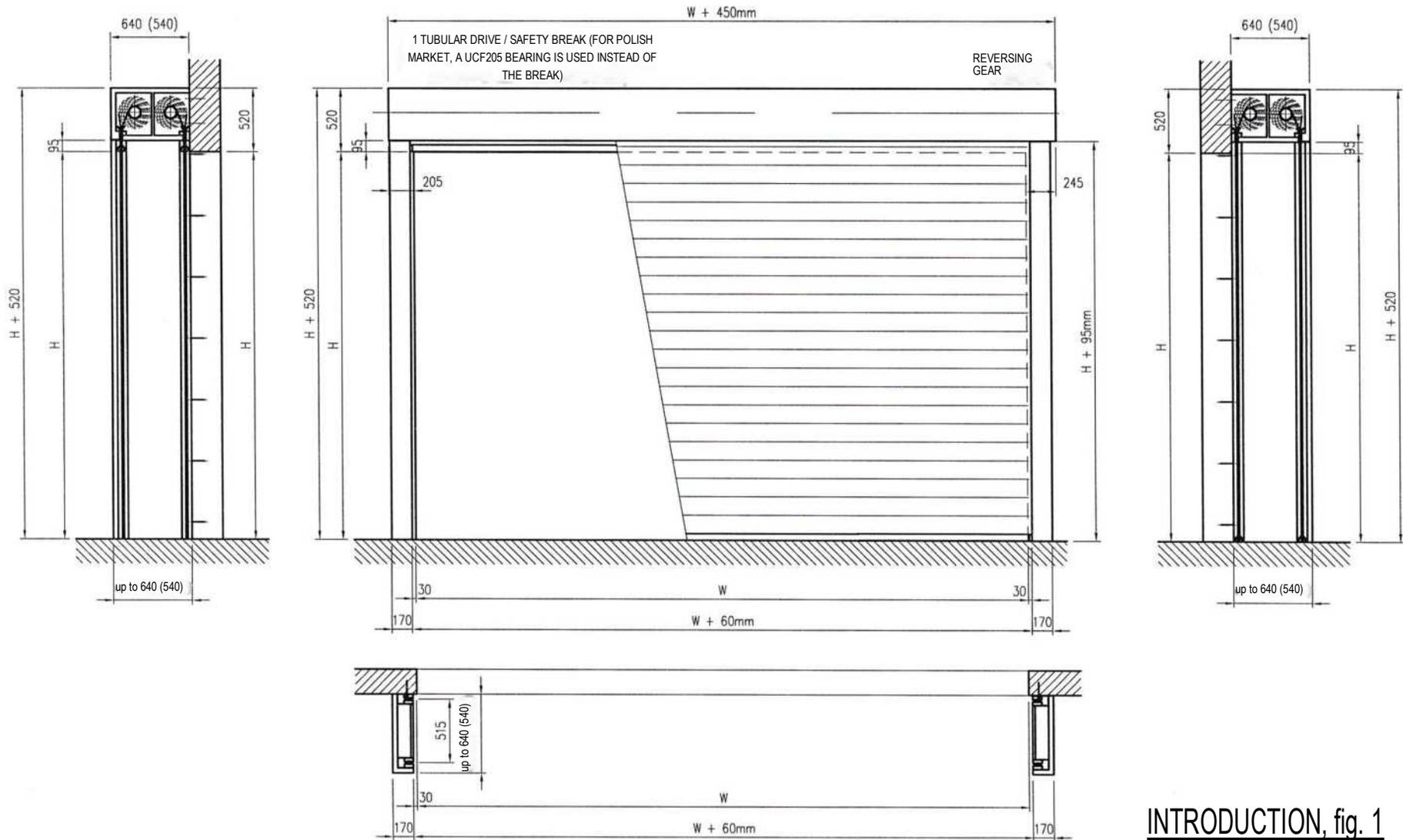


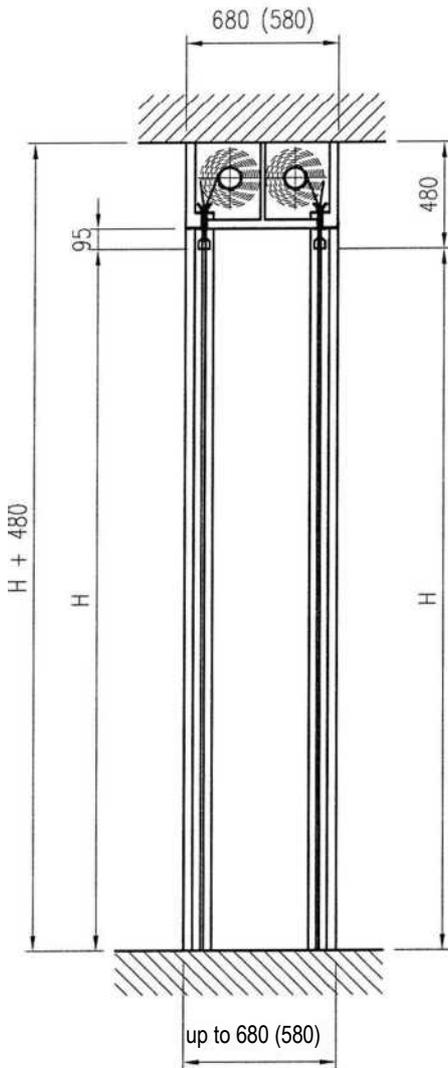
TYPE 1 (standard)



(standard)

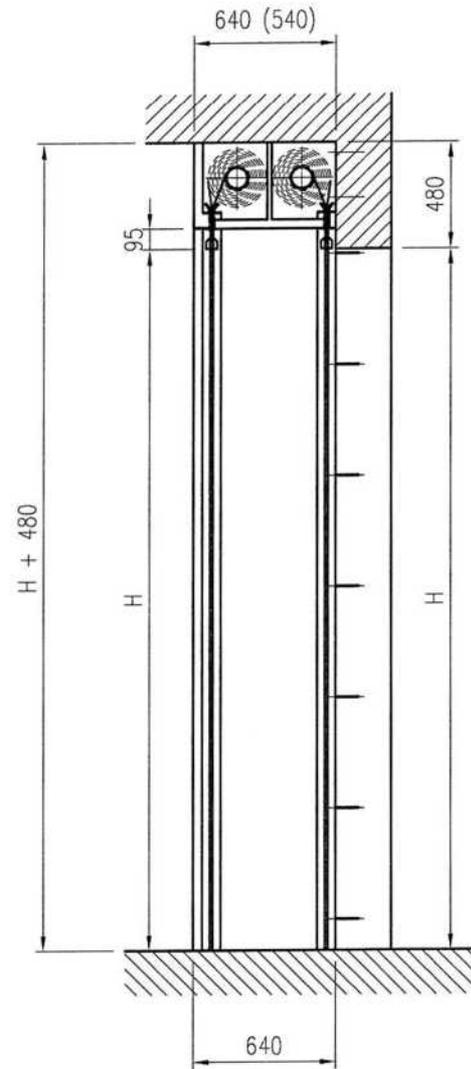
INTRODUCTION, fig. 1
STANDARD FRONT INSTALLATION
GATE WITH ONE TUBULAR DRIVE

TYPE 1B

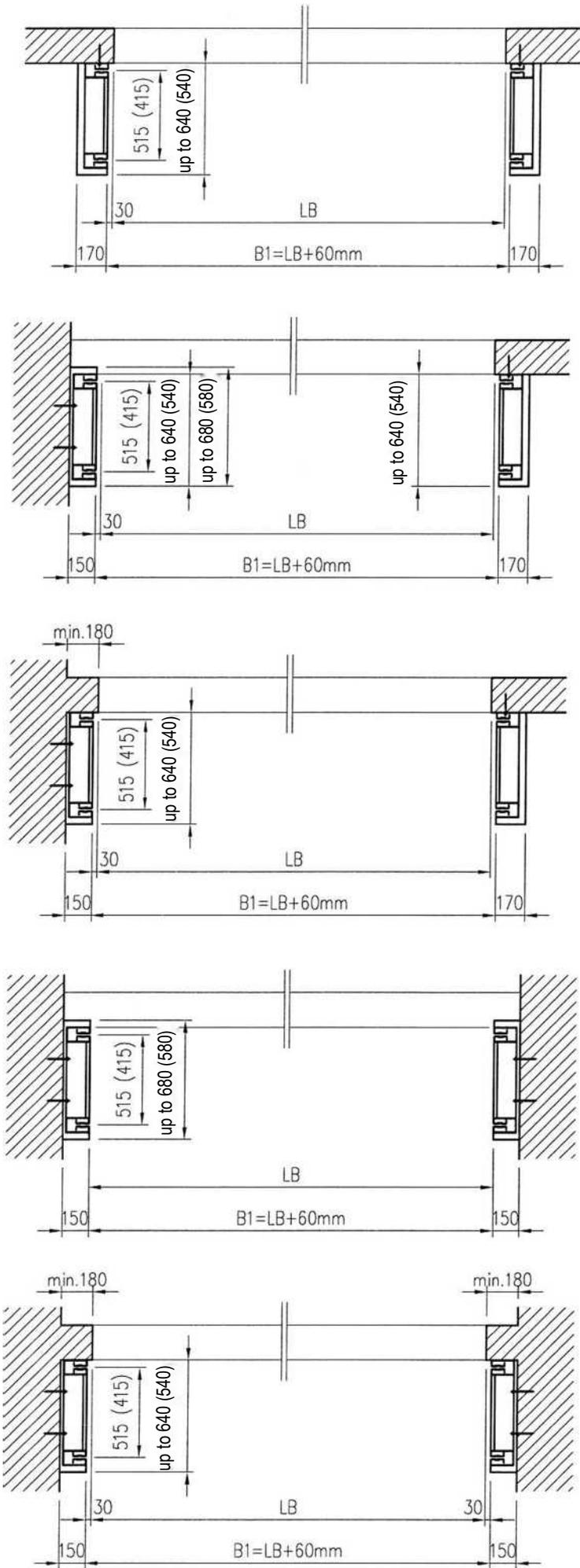


CEILING INSTALLATION
WITHOUT LINTEL

TYPE 1A

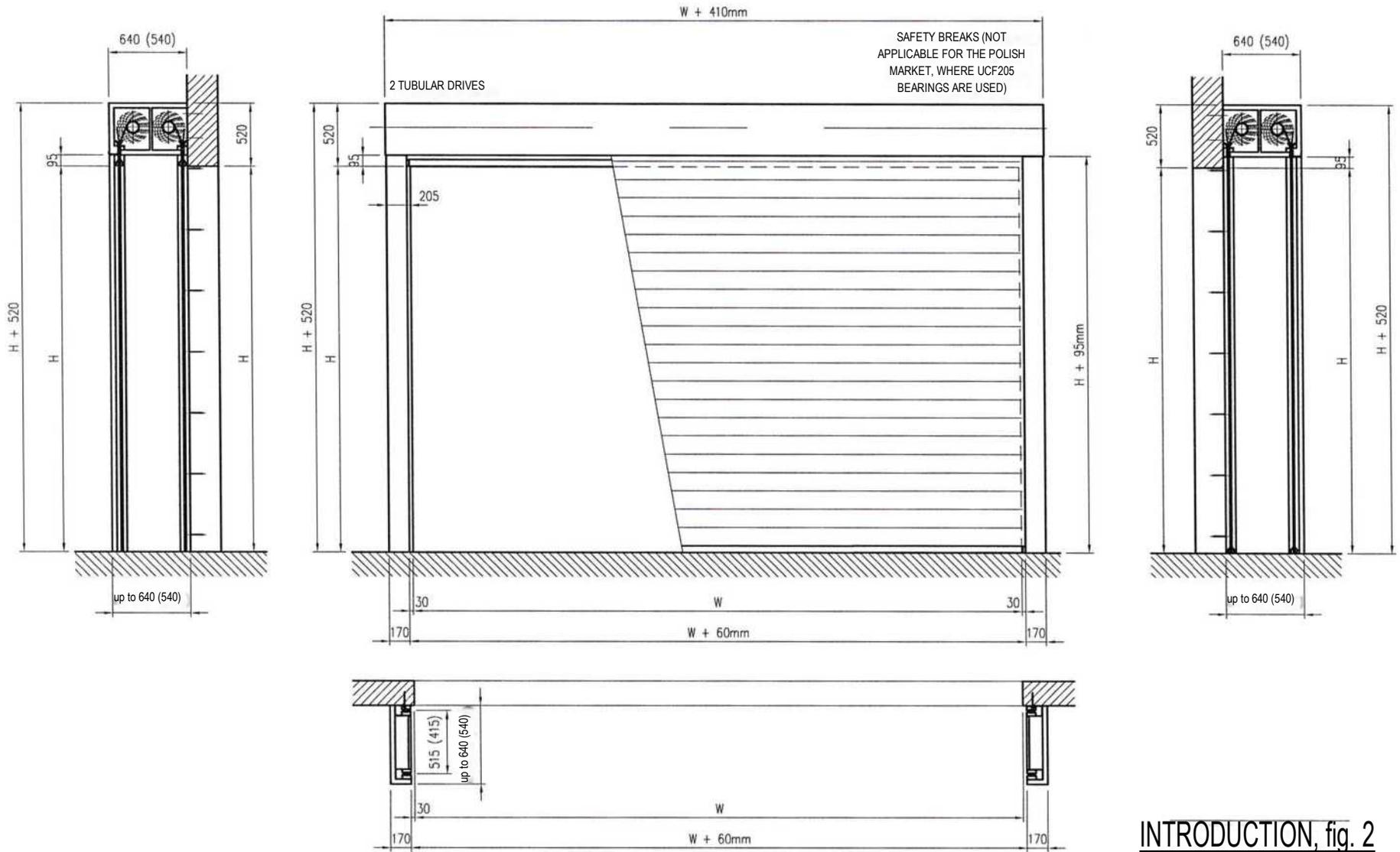


CEILING INSTALLATION
WITH LINTEL



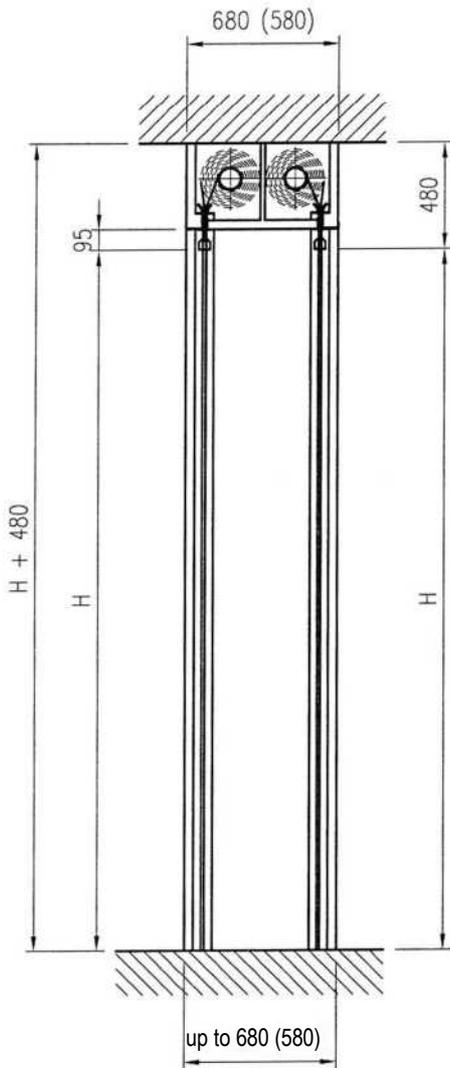
INTRODUCTION, fig. 1b
 TYPES OF GUIDE INSTALLATION
 DEPENDING ON INSTALLATION CONDITIONS

TYPE 2 (standard)



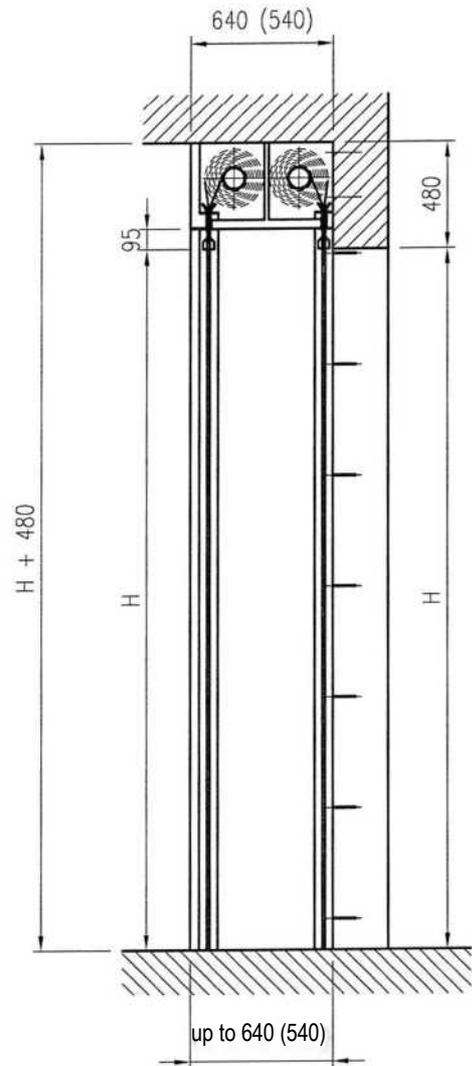
INTRODUCTION, fig. 2
STANDARD FRONT INSTALLATION
GATE WITH TWO TUBULAR DRIVES

TYPE 2B

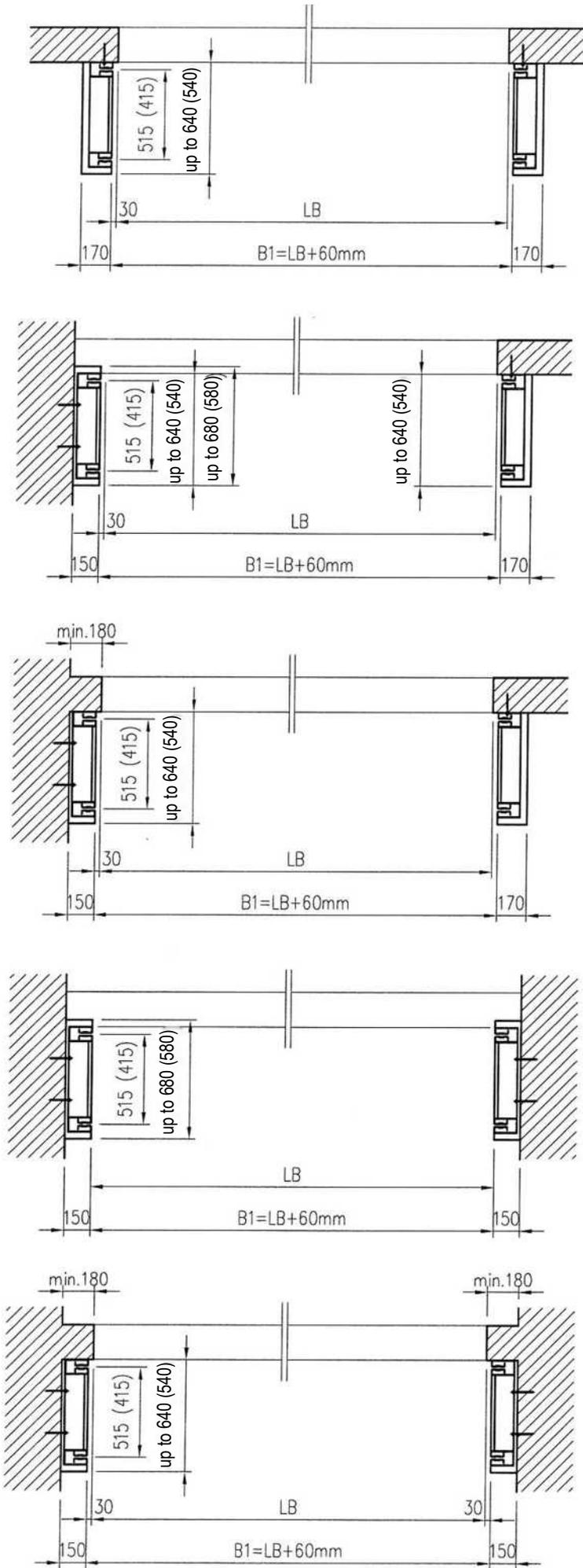


CEILING INSTALLATION
WITHOUT LINTEL

TYPE 2A

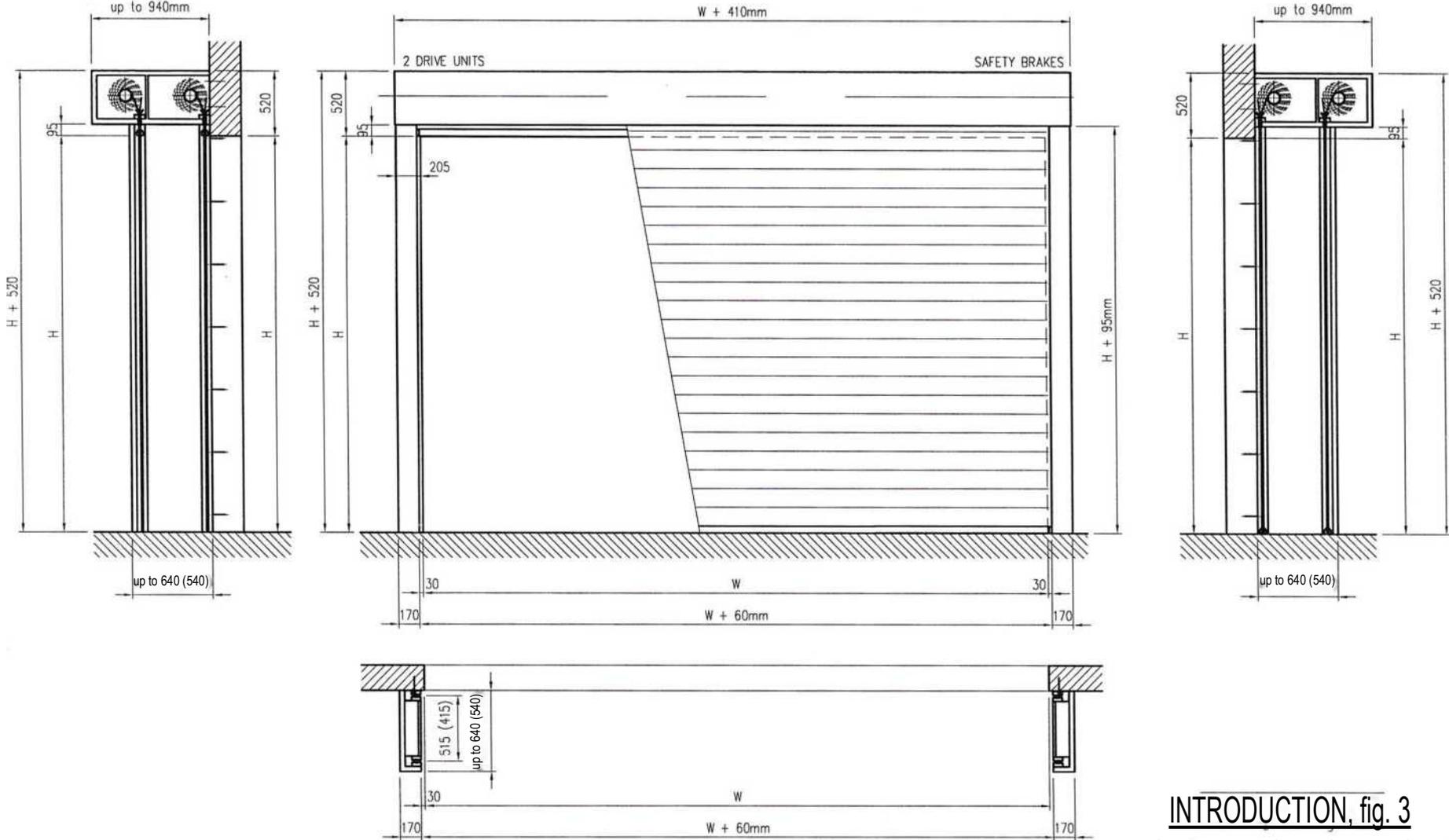


CEILING INSTALLATION
WITH LINTEL



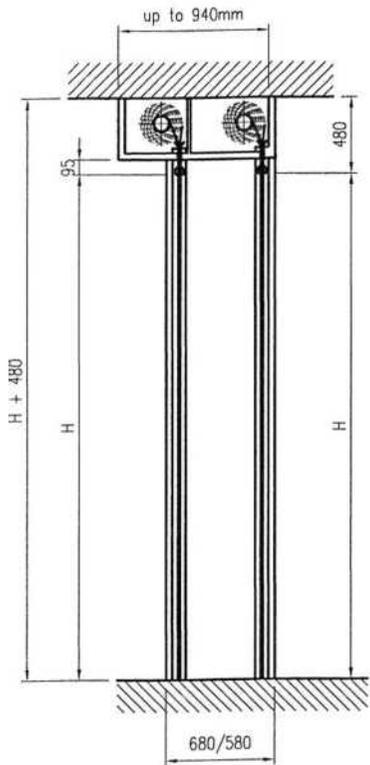
INTRODUCTION, fig. 2b
 TYPES OF GUIDE INSTALLATION
 DEPENDING ON INSTALLATION CONDITIONS

TYPE 3 (standard)



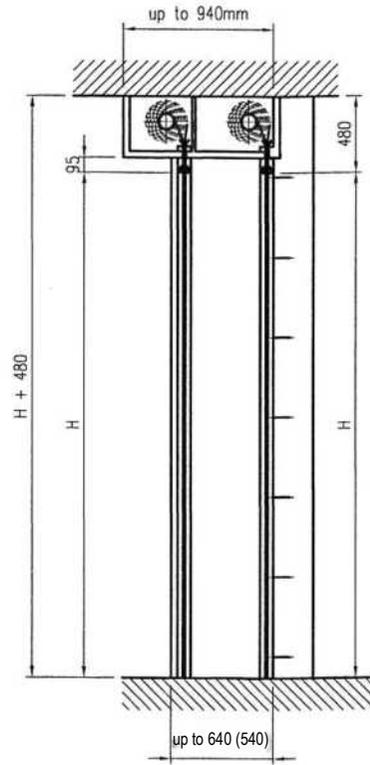
INTRODUCTION, fig. 3
STANDARD FRONT INSTALLATION
GATE WITH TWO TUBULAR DRIVES
WITH CONCURRENT SHAFTS

TYPE 3D



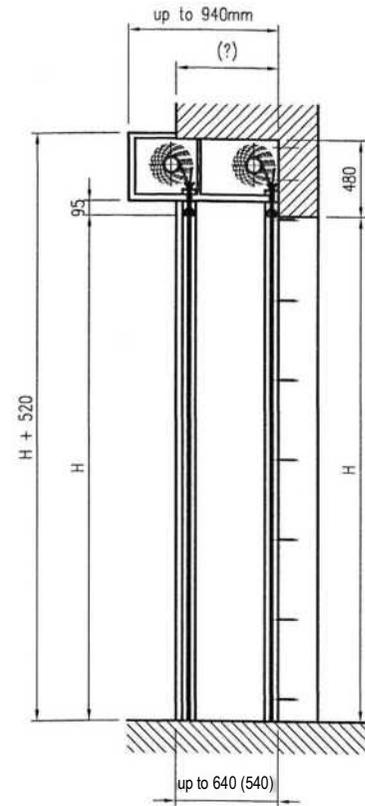
CEILING INSTALLATION
WITHOUT LINTEL
TUNNEL-MOUNTED
GUIDES (LATERALLY)

TYPE 3C



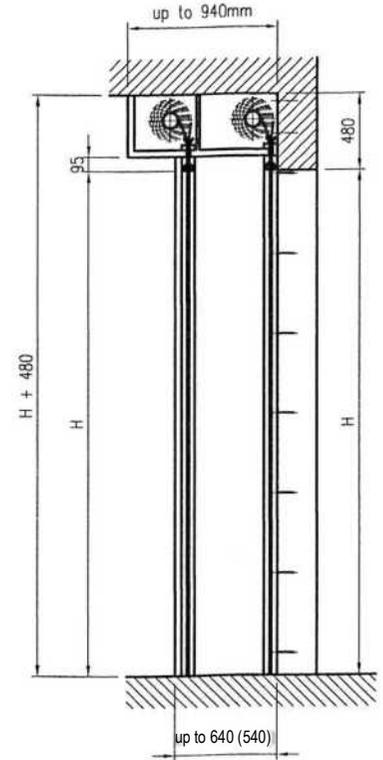
CEILING INSTALLATION
WITHOUT LINTEL
FRONT-MOUNTED
GUIDES

TYPE 3B



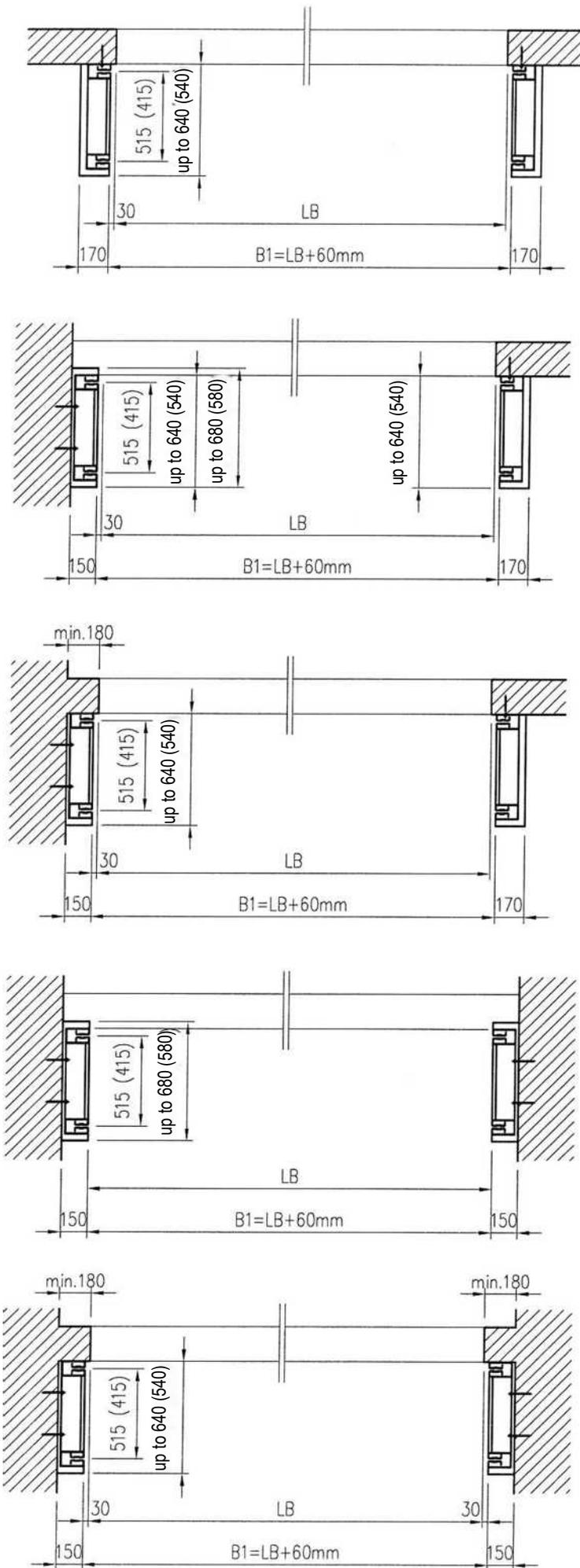
CEILING INSTALLATION
WITH LINTEL
FRONT-MOUNTED
GUIDES

TYPE 3A



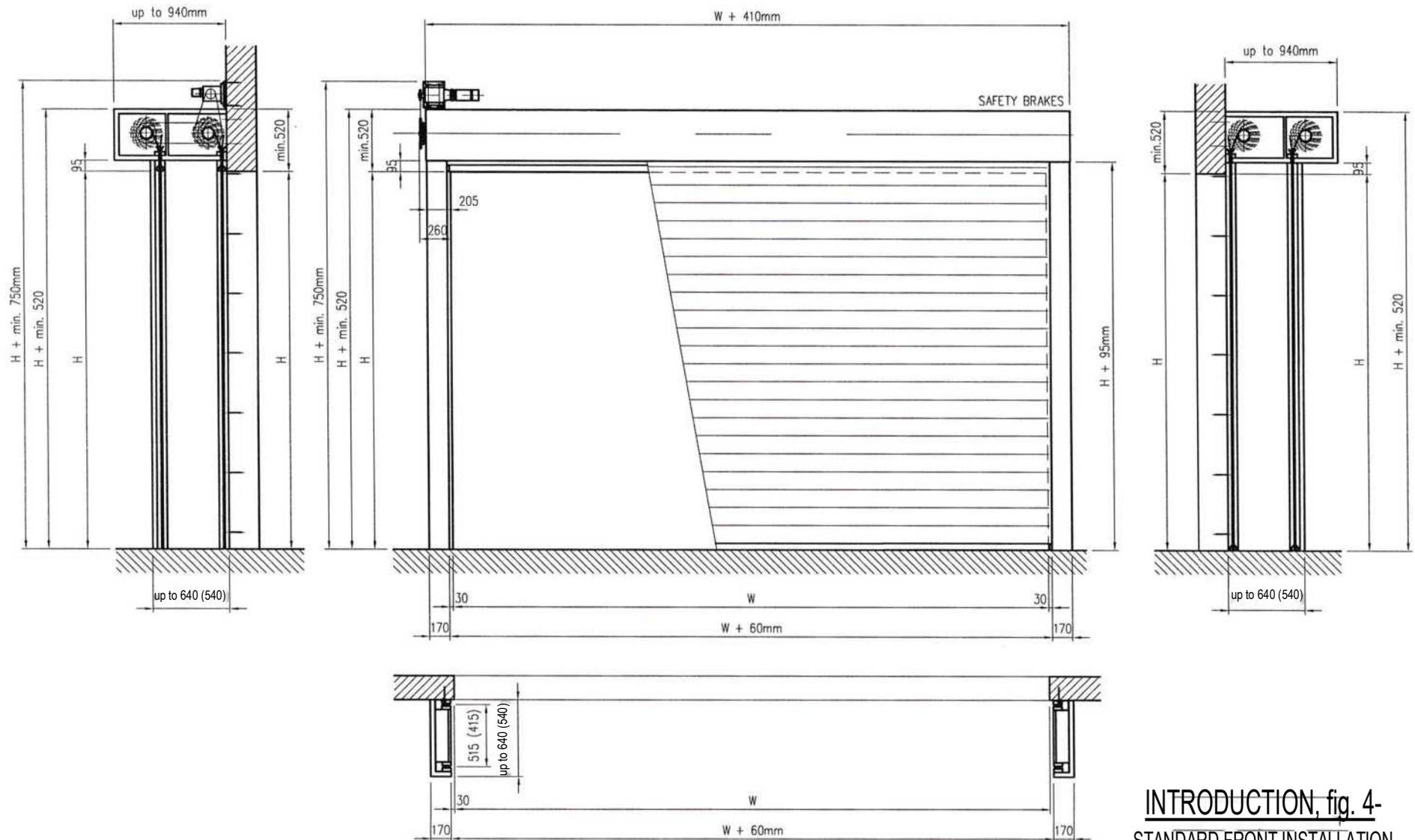
CEILING INSTALLATION
WITH LINTEL
FRONT-MOUNTED
GUIDES

INTRODUCTION, fig. 3a
STANDARD INSTALLATION
GATE WITH TWO TUBULAR DRIVES
WITH CONCURRENT SHAFTS - VARIANTS



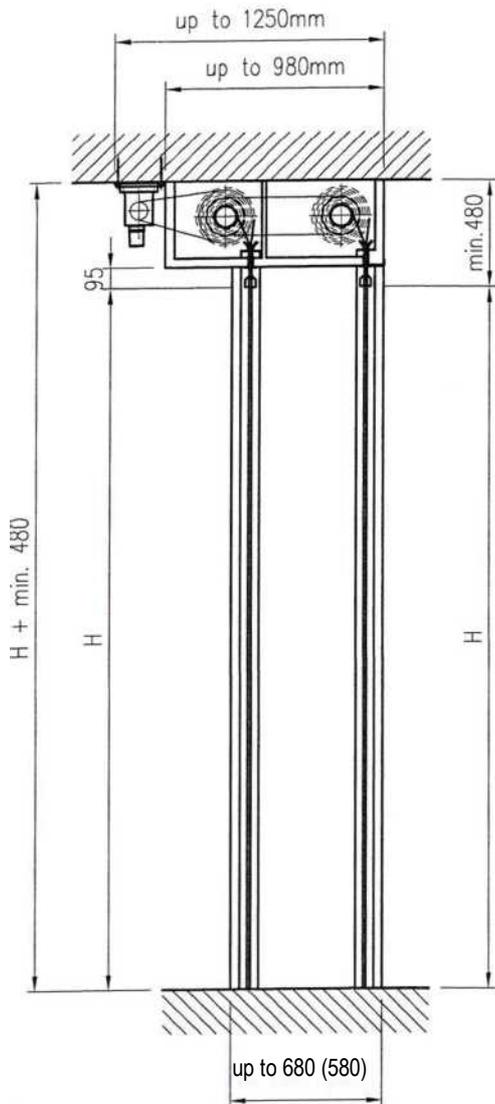
INTRODUCTION, fig. 3b
 TYPES OF GUIDE INSTALLATION
 DEPENDING ON INSTALLATION CONDITIONS

TYPE 4 (standard)



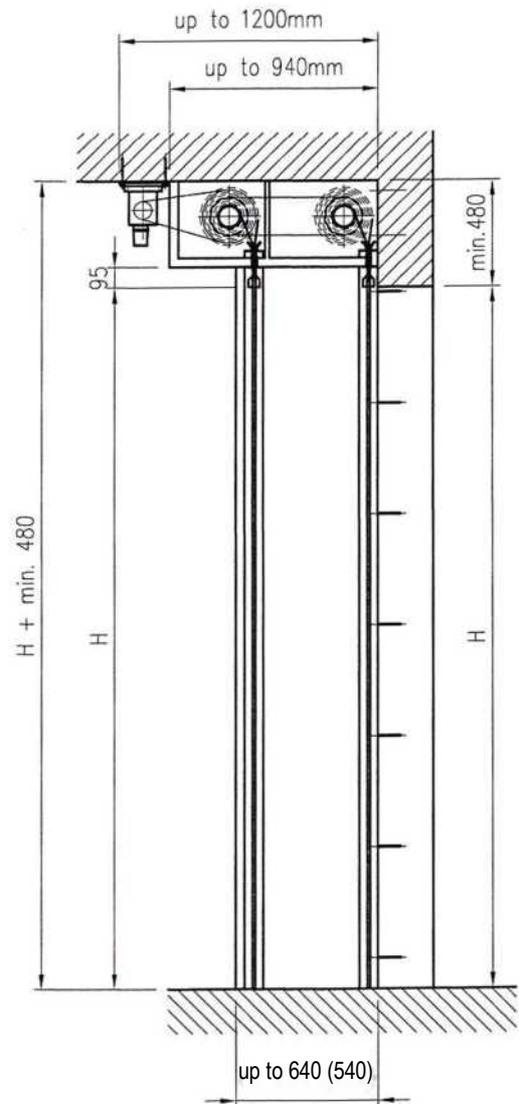
INTRODUCTION, fig. 4-
STANDARD FRONT INSTALLATION
GATE WITH EXTERNAL DRIVE
WITH CONCURRENT SHAFTS

TYPE 4B



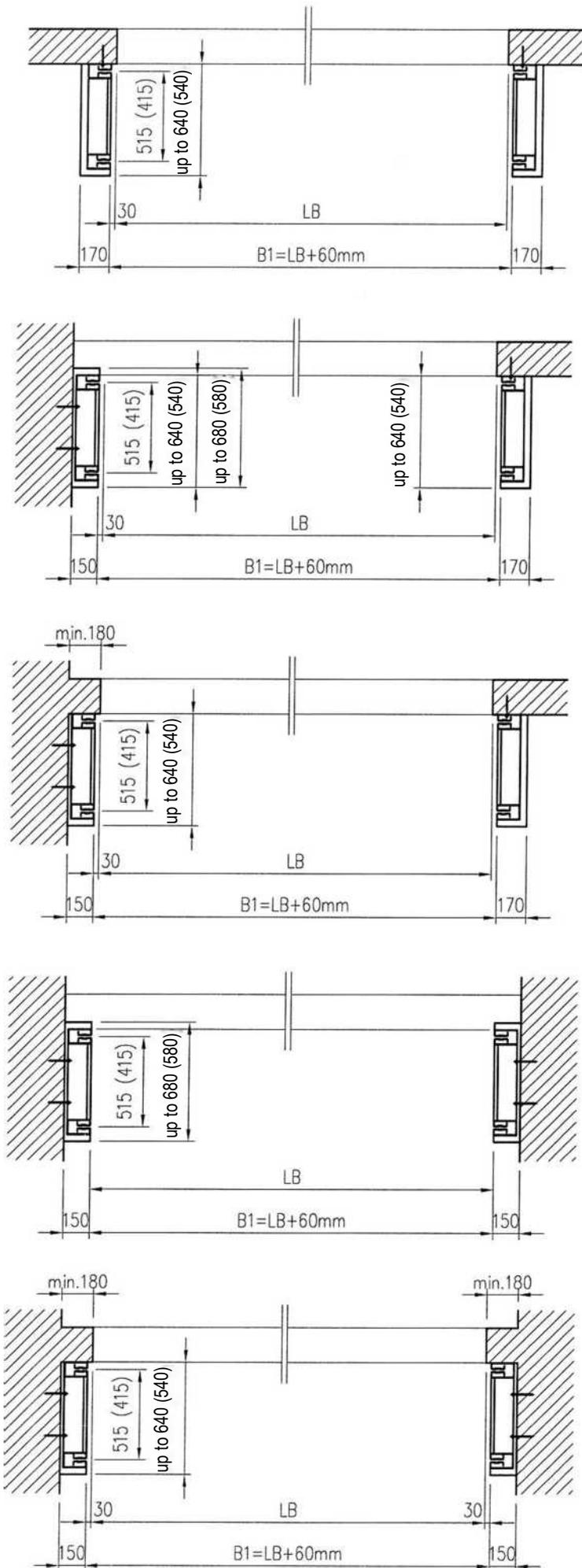
CEILING INSTALLATION
WITHOUT LINTEL
TUNNEL-MOUNTED
GUIDES (LATERALLY)

TYPE 4A

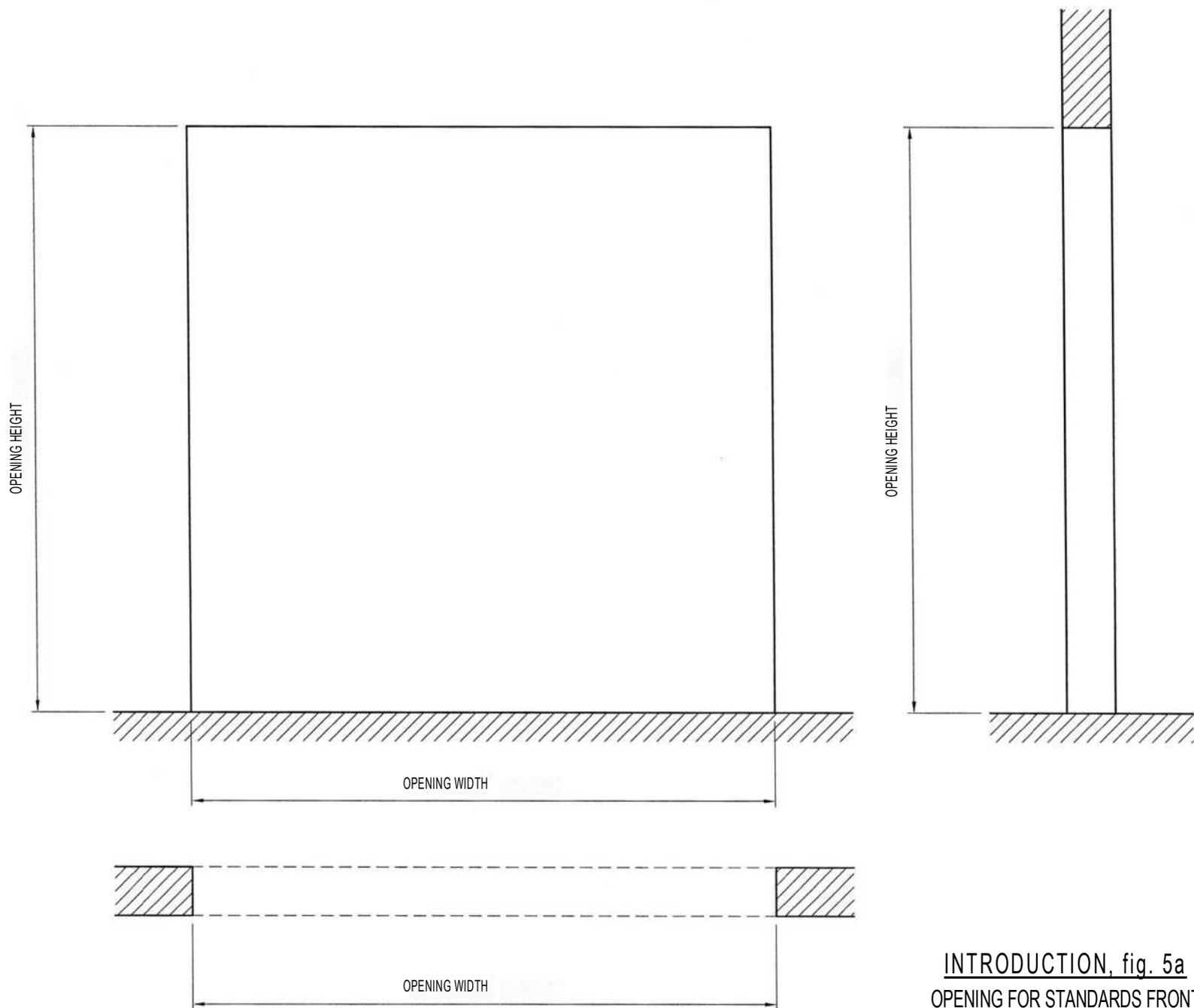


CEILING INSTALLATION
WITHOUT LINTEL
FRONT-MOUNTED
GUIDES

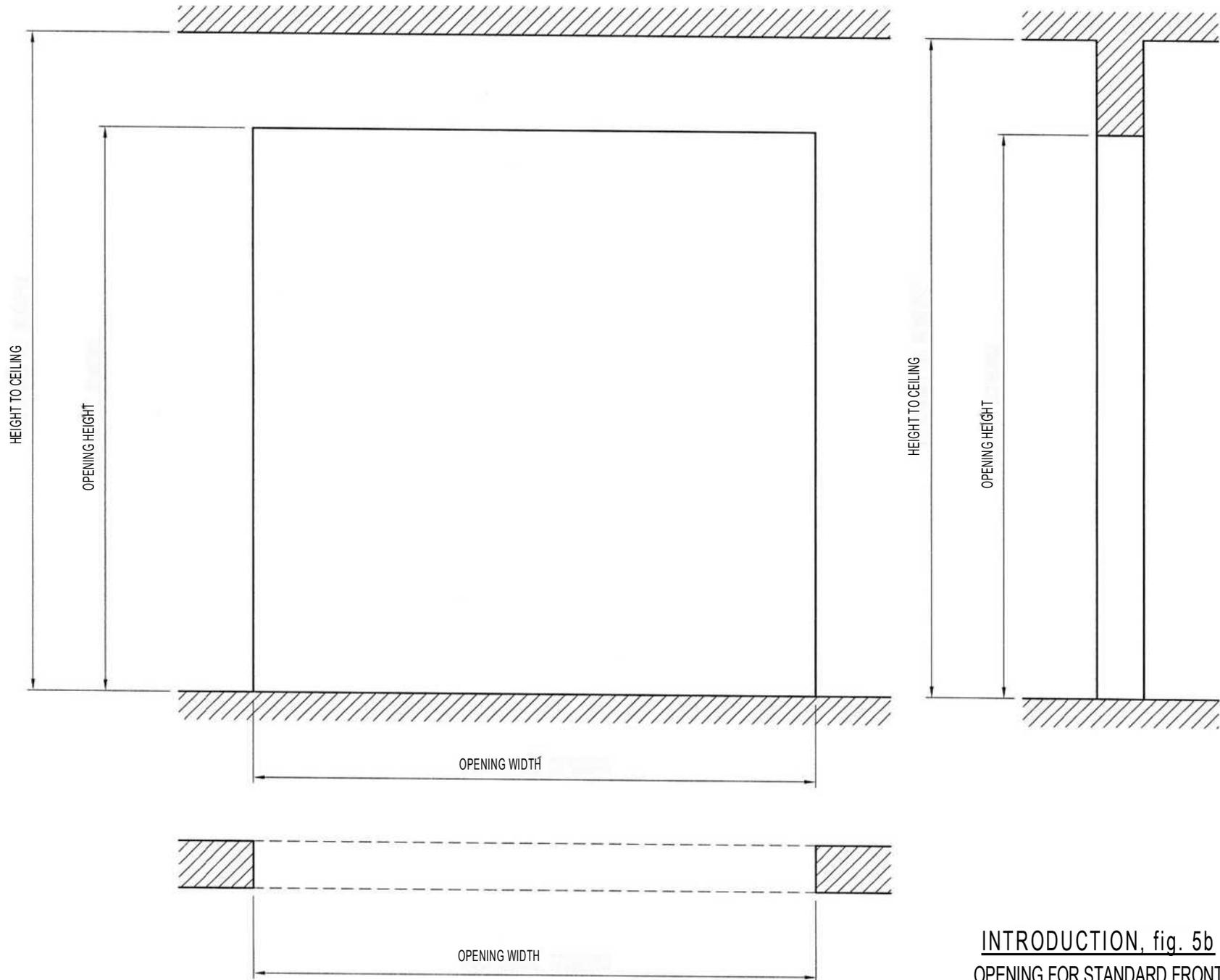
INTRODUCTION, fig. 4a
STANDARD INSTALLATION
GATE WITH EXTERNAL DRIVE
- BASIC VARIANTS



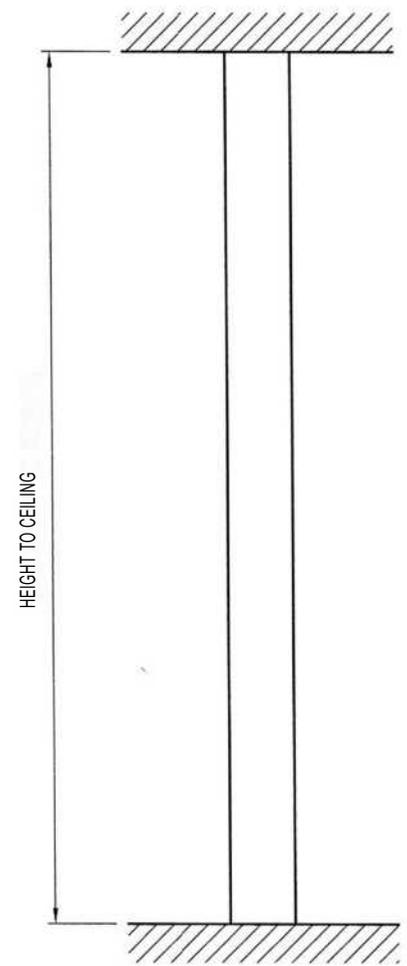
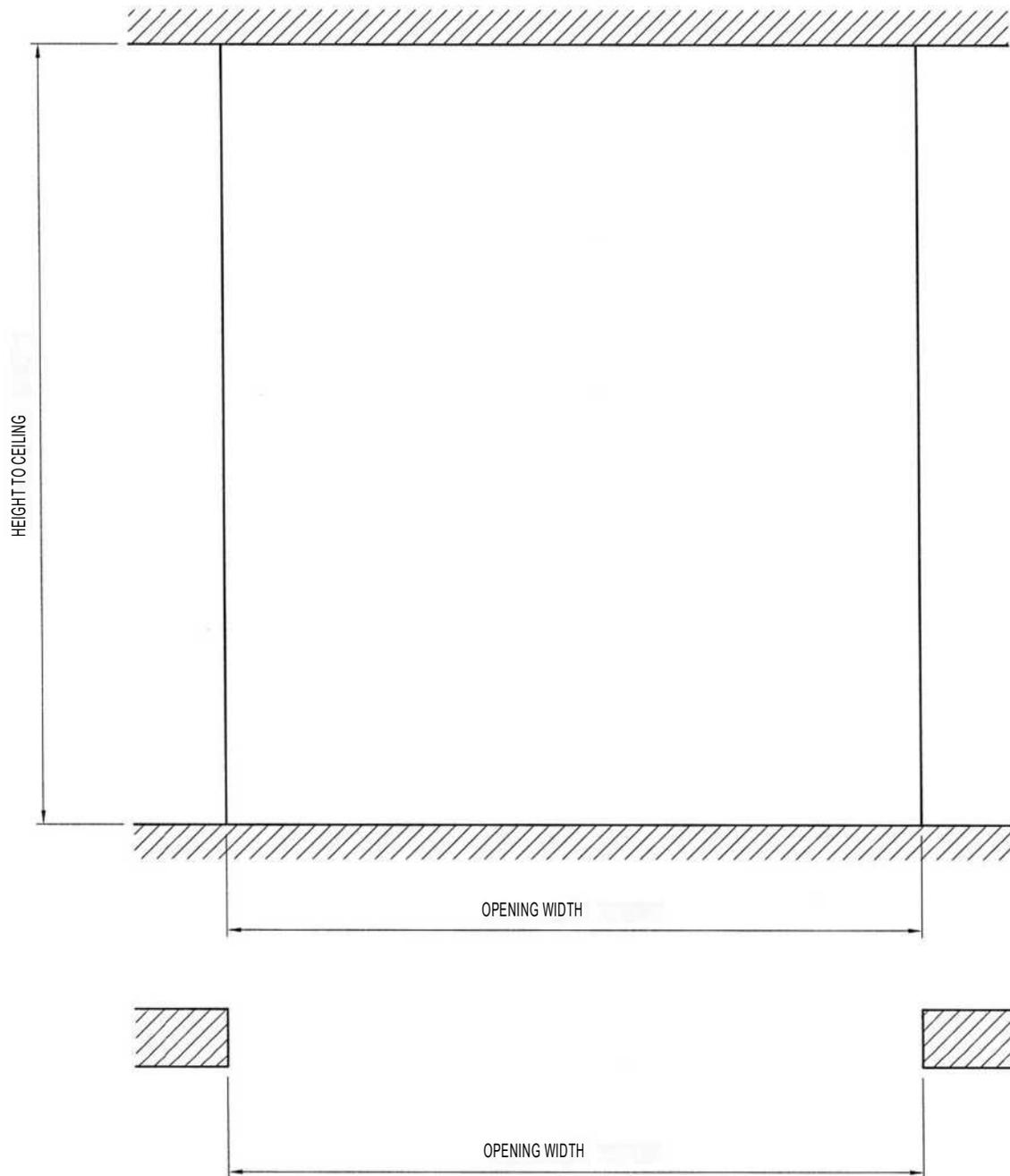
INTRODUCTION, fig. 4b
 TYPES OF GUIDE INSTALLATION
 DEPENDING ON INSTALLATION CONDITIONS



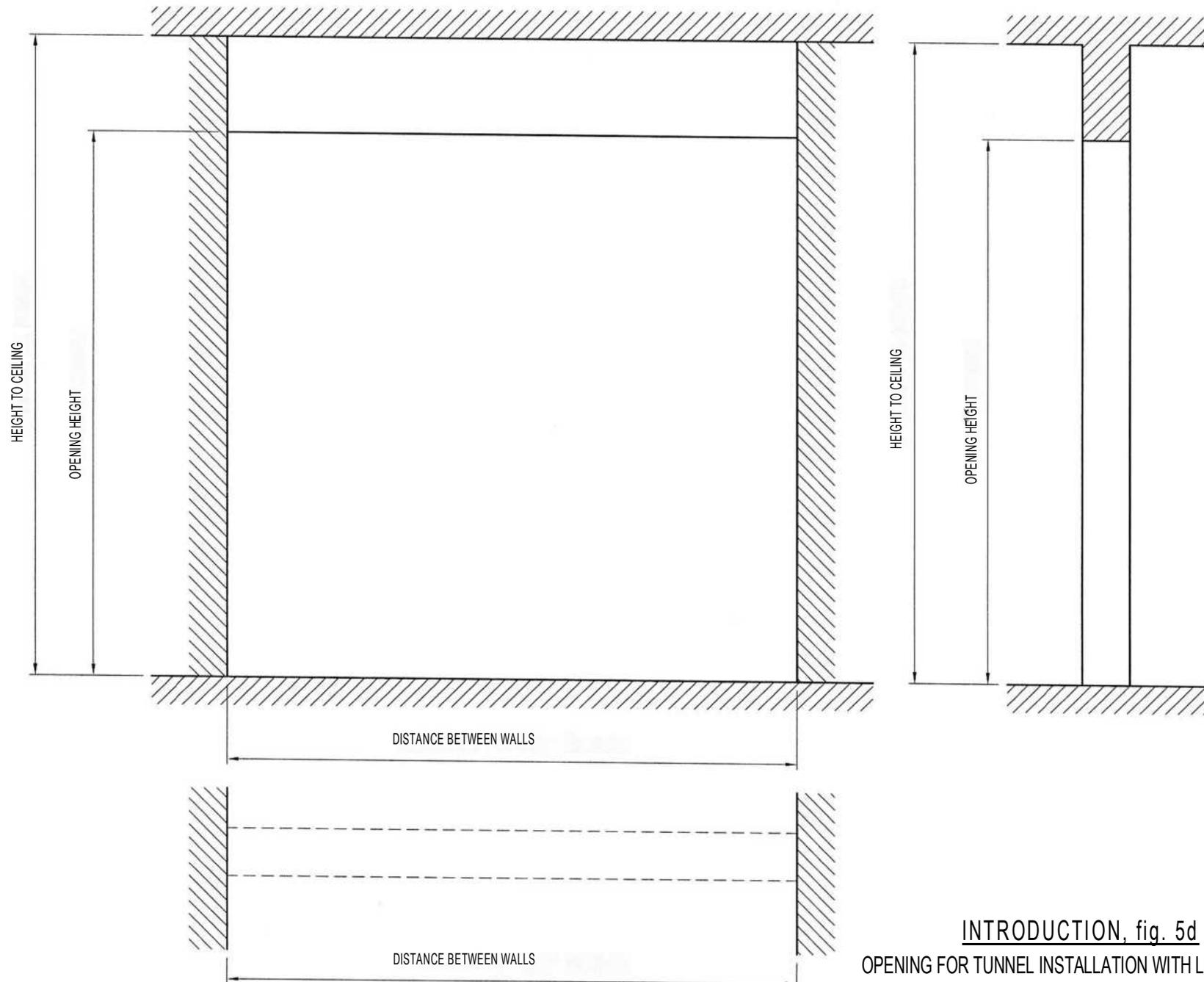
INTRODUCTION, fig. 5a
OPENING FOR STANDARDS FRONT
INSTALLATION



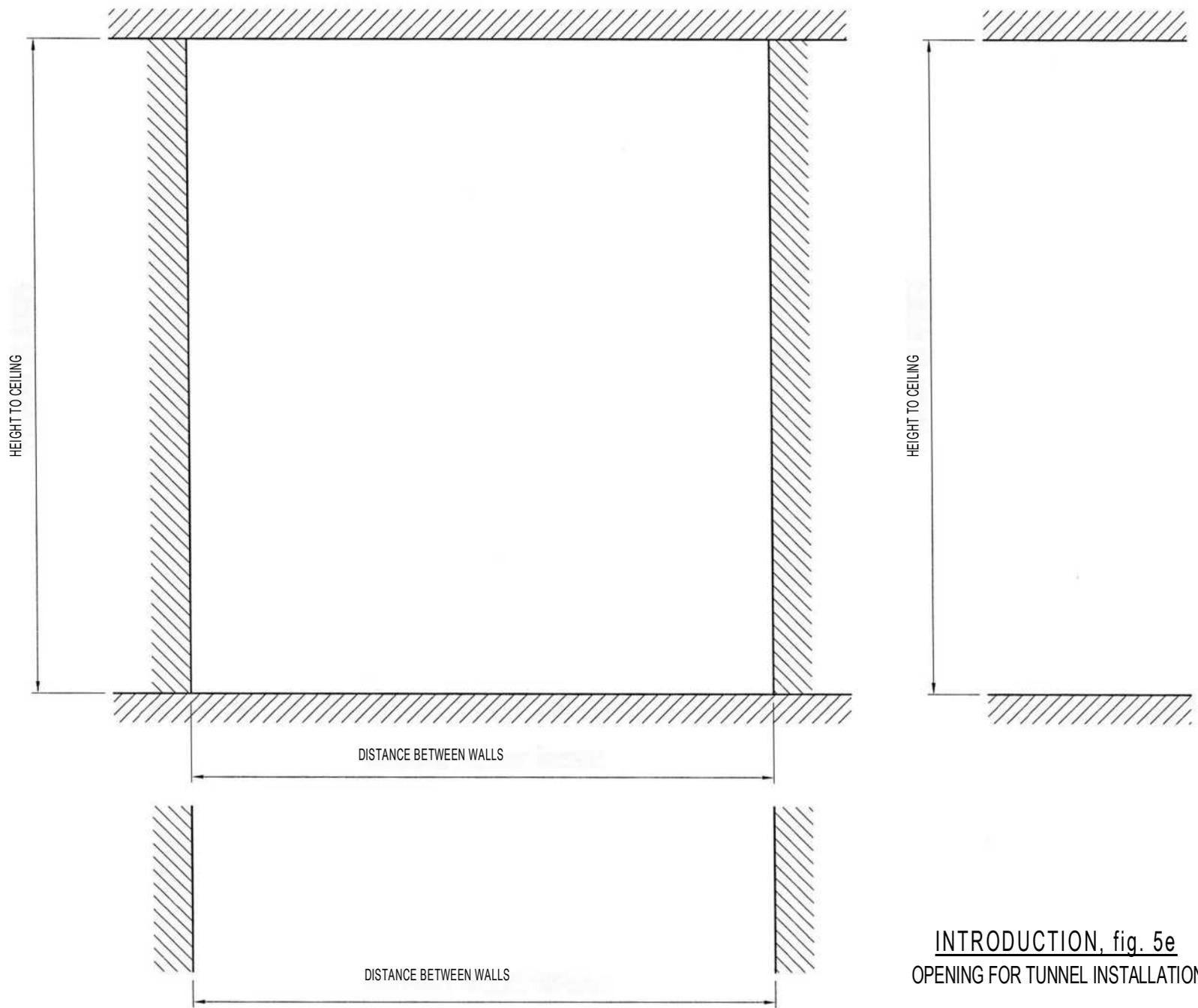
INTRODUCTION, fig. 5b
OPENING FOR STANDARD FRONT
CEILING INSTALLATION



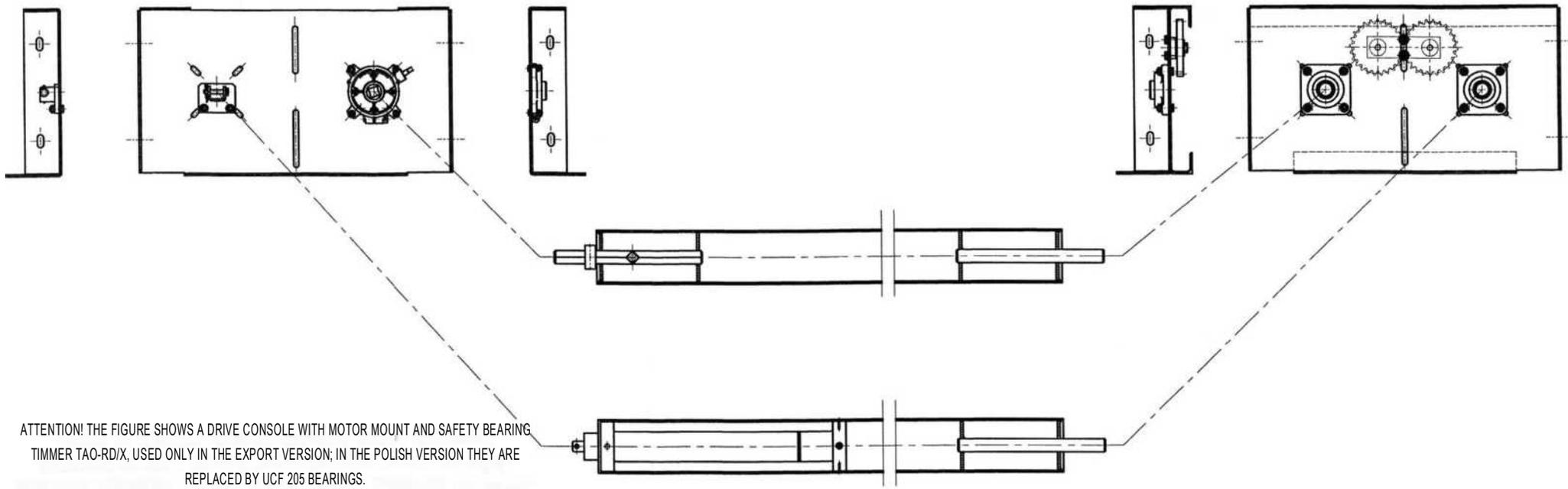
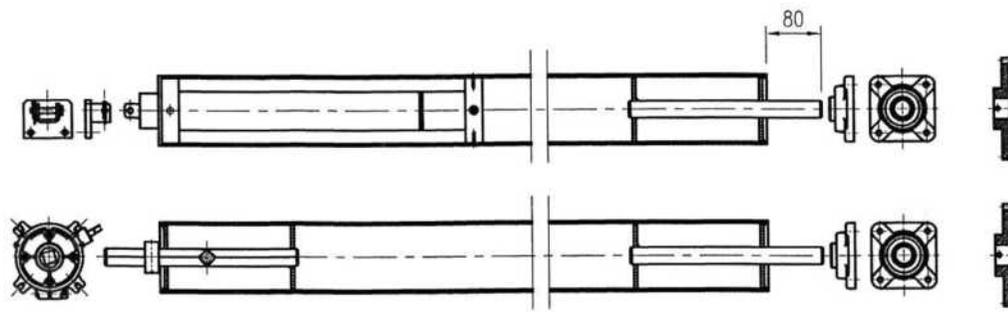
INTRODUCTION, fig. 5c
OPENING FOR CEILING-FRONT
INSTALLATION WITHOUT LINTEL



INTRODUCTION, fig. 5d
OPENING FOR TUNNEL INSTALLATION WITH LINTEL



INTRODUCTION, fig. 5e
OPENING FOR TUNNEL INSTALLATION

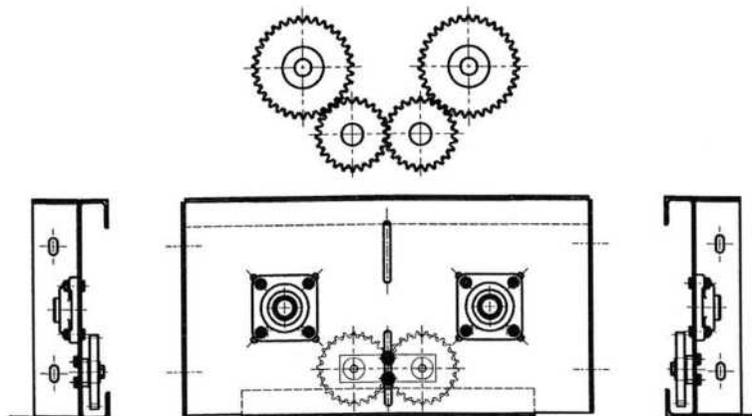


ATTENTION! THE FIGURE SHOWS A DRIVE CONSOLE WITH MOTOR MOUNT AND SAFETY BEARING TIMMER TAO-RD/X, USED ONLY IN THE EXPORT VERSION; IN THE POLISH VERSION THEY ARE REPLACED BY UCF 205 BEARINGS.

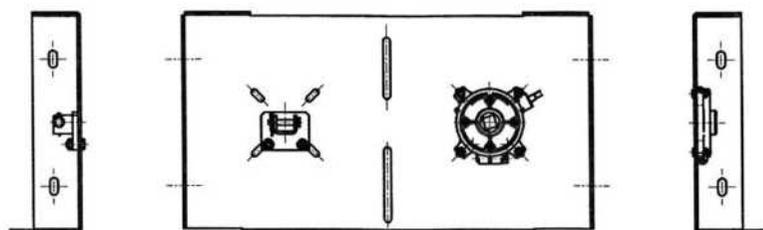
SPECIAL ATTENTION MUST BE PAID TO THE POSITION OF THE LIMIT SWITCHES WHEN INSTALLING THE DRIVES IN GATE CONSOLES. FOR FRONT INSTALLATION THEY SHOULD BE DIRECTED UPWARDS (FOR BEST ACCESS DURING ADJUSTMENT), FOR CEILING INSTALLATION THEY SHOULD BE DIRECTED DOWNWARDS - WHEN DIRECTED UPWARDS IT WILL BE IMPOSSIBLE TO ADJUST AFTER MOUNTING THE SHAFT CAGE TO THE CEILING.

IN CASE OF TUNNEL-MOUNTED GATES, BEFORE THE INSTALLATION OF SHAFTS IN CONSOLES, IT IS RECOMMENDED TO INSERT 10MM STEEL BARS, SUPPLIED WITH THE GATE, INTO THE LOWER EDGES OF DOOR APRONS (AT A LATER STAGE, DUE TO LACK OF SPACE ON THE SIDES, DOING SO WILL BE IMPOSSIBLE). AFTER INSERTING THEM, THE BLADES SHOULD BE PROTECTED AGAINST UNWINDING UNTIL THE MOTORS ARE CONNECTED TO THE CONTROL PANEL

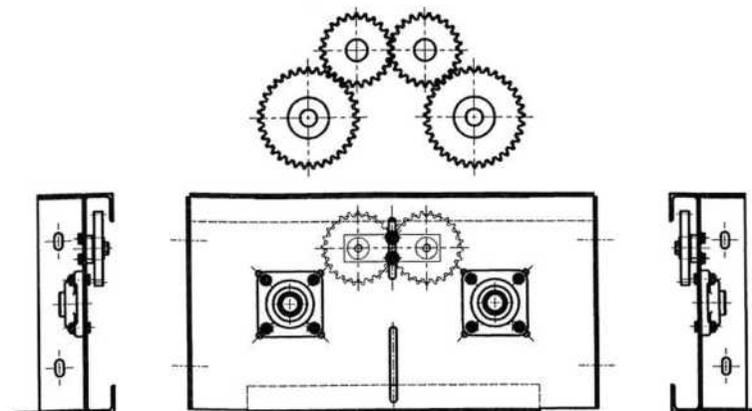
INTRODUCTION, fig. 6
 SET OF SHAFTS AND CONSOLES FOR A GATE EQUIPPED WITH
 SINGLE TUBULAR MOTOR



ATTENTION! DEPENDING ON HOW THE GATE IS INSTALLED, THE GEAR WHEELS OF THE REVERSING GEAR CAN BE INSTALLED IN THE LOWER OR UPPER MOUNTING SLOT. THE INSTALLATION OF GEAR WHEELS FROM BELOW IS RECOMMENDED FOR CEILING-MOUNTED GATES.

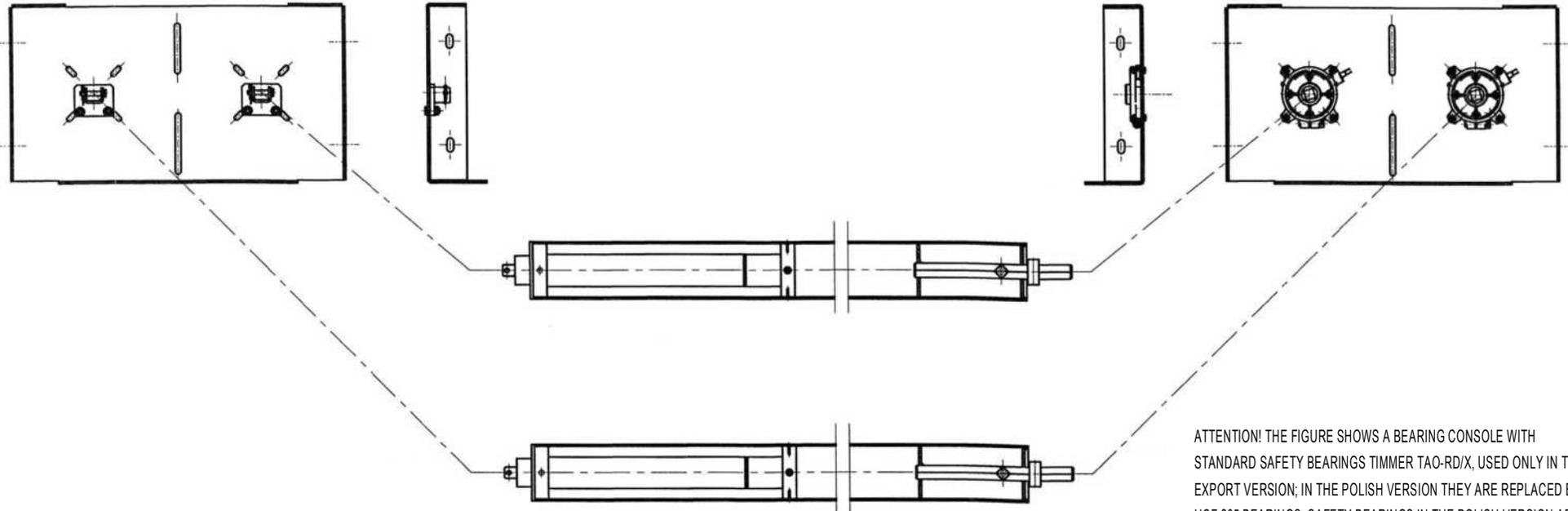
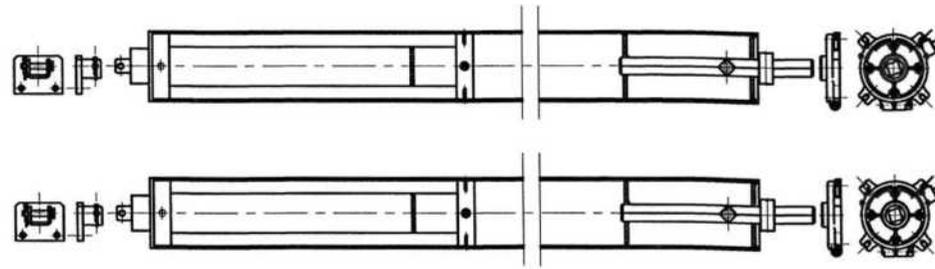


ATTENTION! THE FIGURE SHOWS A DRIVE CONSOLE WITH MOTOR MOUNT AND SAFETY BEARING TIMMER TAO-RD/X, USED ONLY IN THE EXPORT VERSION; IN THE POLISH VERSION THEY ARE REPLACED BY UCF 205 BEARINGS.



INTRODUCTION, fig. 6a
 A PAIR OF CONSOLES FOR A GATE EQUIPPED
 WITH SINGLE TUBULAR MOTOR

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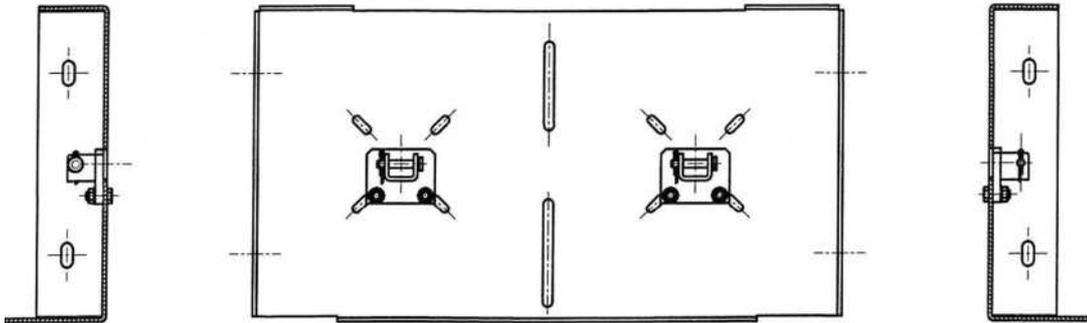


BE CAREFUL WHEN INSTALLING THE DRIVES IN GATE CONSOLES. FOR FRONT INSTALLATION THEY SHOULD BE DIRECTED UPWARDS (FOR BEST ACCESS DURING ADJUSTMENT), FOR CEILING INSTALLATION THEY SHOULD BE DIRECTED DOWNWARDS - WHEN DIRECTED UPWARDS IT WILL BE IMPOSSIBLE TO ADJUST AFTER MOUNTING THE SHAFT CAGE TO THE CEILING.

IN CASE OF TUNNEL-MOUNTED GATES, BEFORE THE INSTALLATION OF SHAFTS IN CONSOLES, IT IS RECOMMENDED TO INSERT 10MM STEEL BARS, SUPPLIED WITH THE GATE, INTO THE LOWER EDGES OF DOOR APRONS (AT A LATER STAGE, DUE TO LACK OF SPACE ON THE SIDES, DOING SO WILL BE IMPOSSIBLE). AFTER INSERTING THEM, THE BLADES SHOULD BE PROTECTED AGAINST UNWINDING UNTIL THE MOTORS ARE CONNECTED TO THE CONTROL PANEL

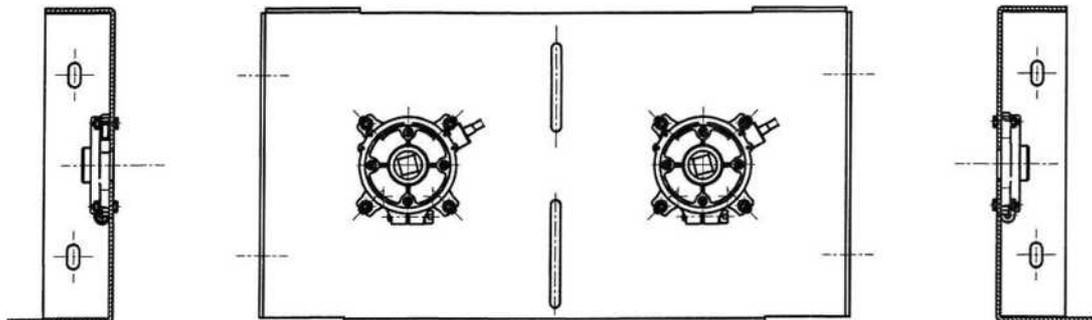
ATTENTION! THE FIGURE SHOWS A BEARING CONSOLE WITH STANDARD SAFETY BEARINGS TIMMER TAO-RD/X, USED ONLY IN THE EXPORT VERSION; IN THE POLISH VERSION THEY ARE REPLACED BY UCF 205 BEARINGS. SAFETY BEARINGS IN THE POLISH VERSION ARE USED IN GATES EQUIPPED WITH EXTERNAL MOTORS.

INTRODUCTION, fig. 7
SET OF SHAFTS AND CONSOLES FOR A GATE EQUIPPED WITH
TWO TUBULAR MOTORS



DRIVE CONSOLS

FOR A GATE EQUIPPED WITH
TWO TUBULAR MOTORS



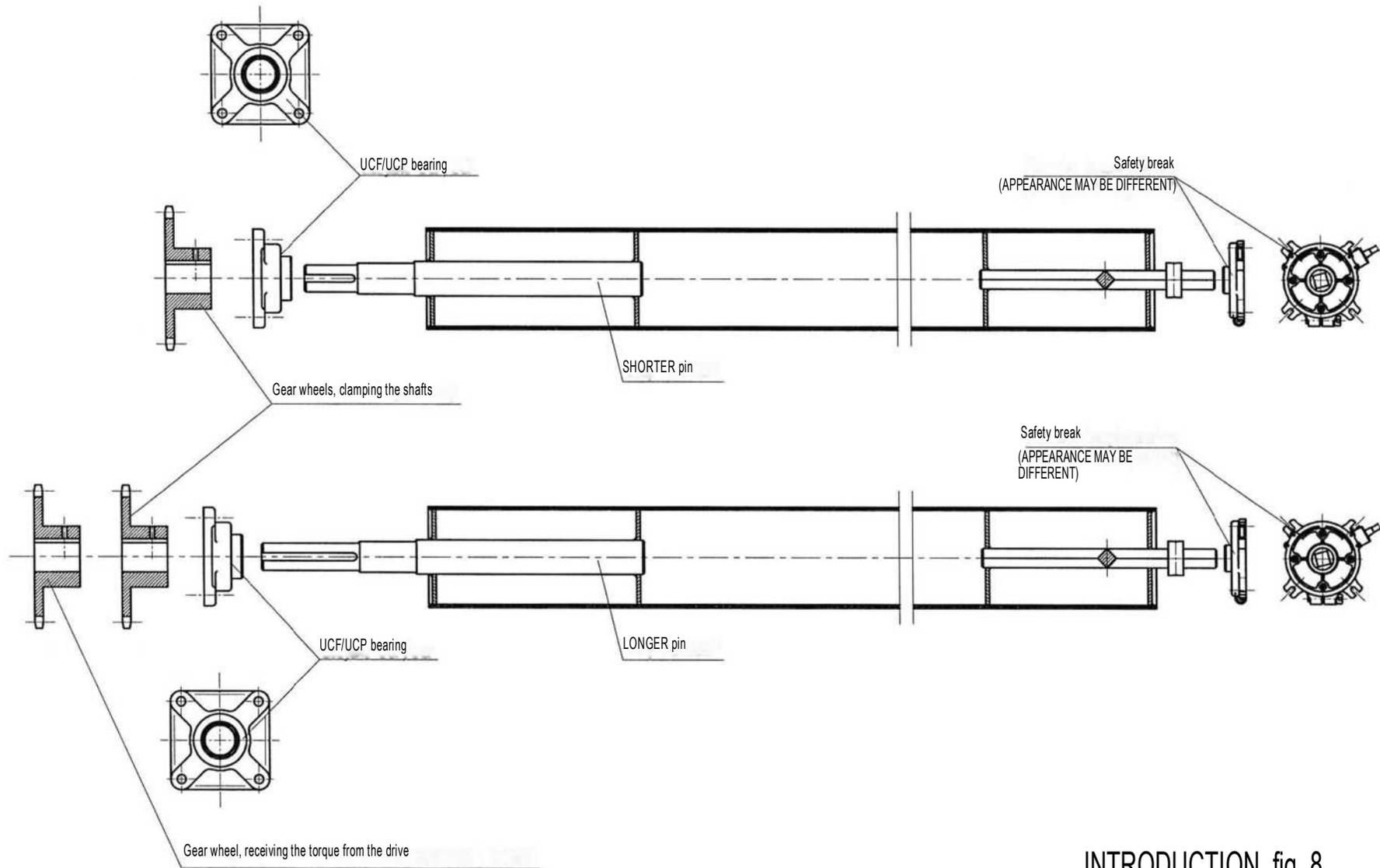
BEARING CONSOLE

FOR A GATE EQUIPPED WITH
TWO TUBULAR MOTORS

ATTENTION! THE FIGURE SHOWS A CONSOLE WITH STANDARD SAFETY BEARINGS TIMMER TAO-RD/X, USED ONLY IN THE EXPORT VERSION; IN THE POLISH VERSION THEY ARE REPLACED BY UCF 205 BEARINGS. SAFETY BEARINGS IN THE POLISH VERSION ARE USED IN GATES EQUIPPED WITH EXTERNAL MOTORS.

INTRODUCTION, fig. 7a

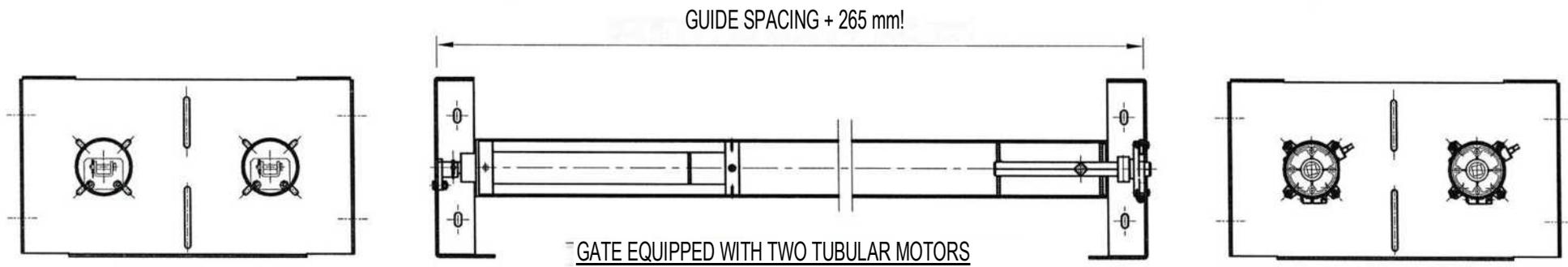
A PAIR OF CONSOLES FOR A GATE
EQUIPPED WITH TWO TUBULAR MOTORS



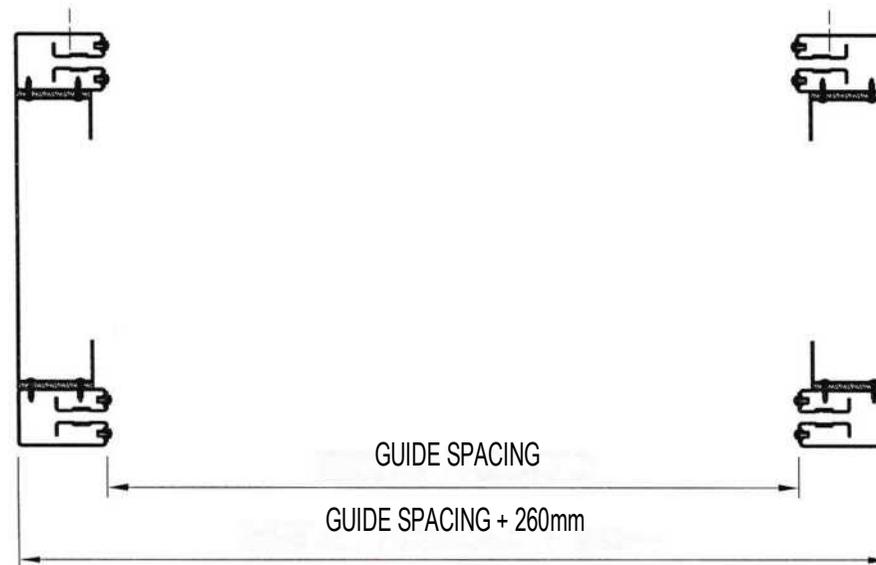
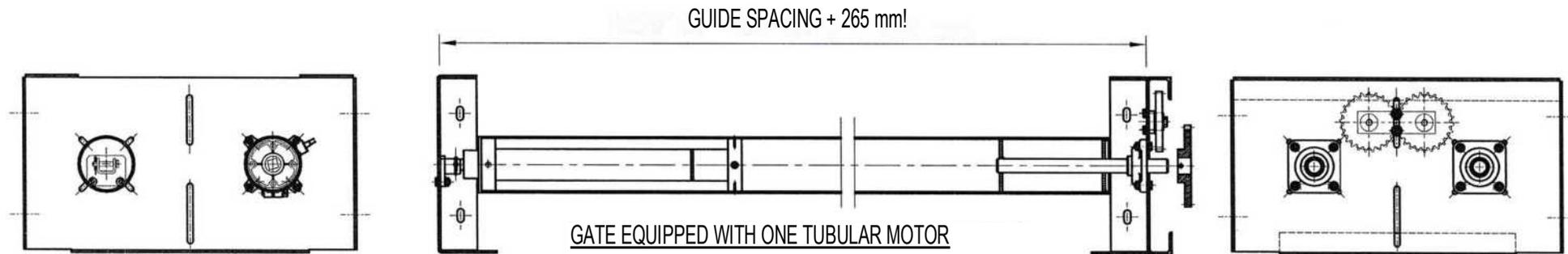
INTRODUCTION, fig. 8

SET OF SHAFTS AND CONSOLES FOR A GATE EQUIPPED WITH AN EXTERNAL MOTOR.

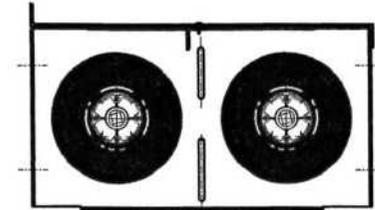
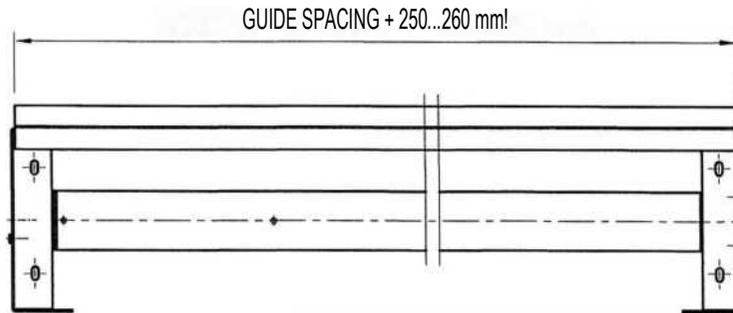
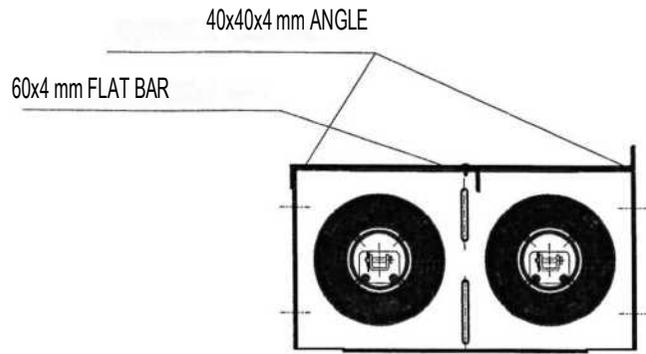
ATTENTION! DIFFERENT TYPES OF BEARINGS AND SAFETY BEARINGS MAY BE USED DEPENDING ON THE SIZE AND INSTALLATION CONDITIONS OF THE GATE - THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY!



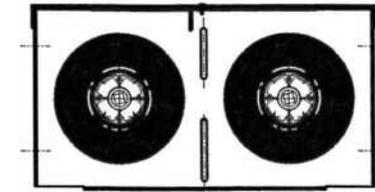
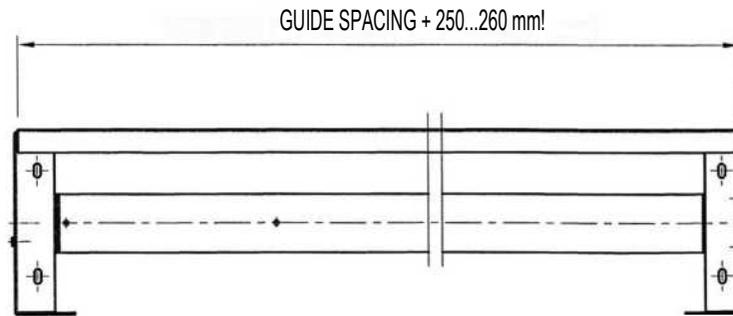
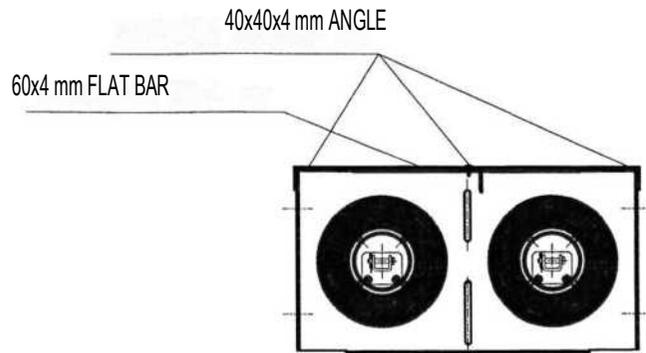
ATTENTION! DISTANCE MUST BE MEASURED BETWEEN INTERNAL CONSOLE SURFACES!



MANUAL, fig. 1
 INSTALLING THE GATE SHAFTS WITH
 CONSOLES

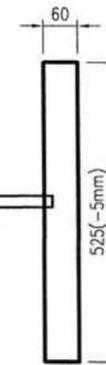
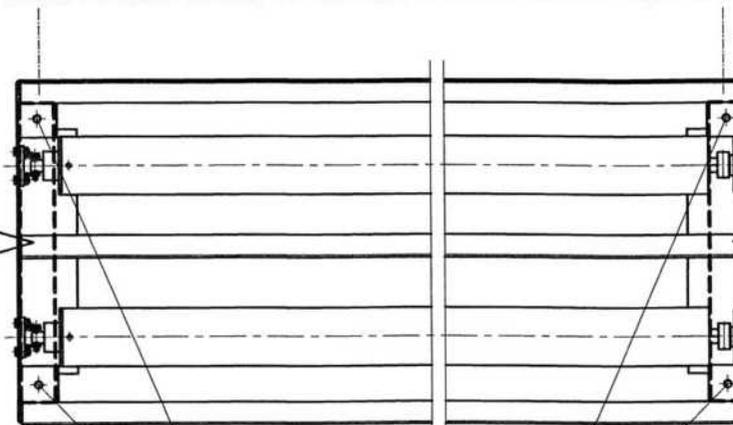
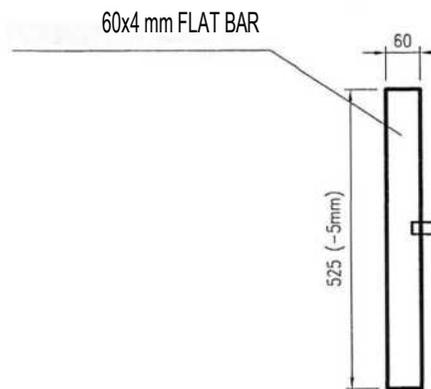


GATE WITH A CASSETTE FRONT-MOUNTED TO THE LINTEL



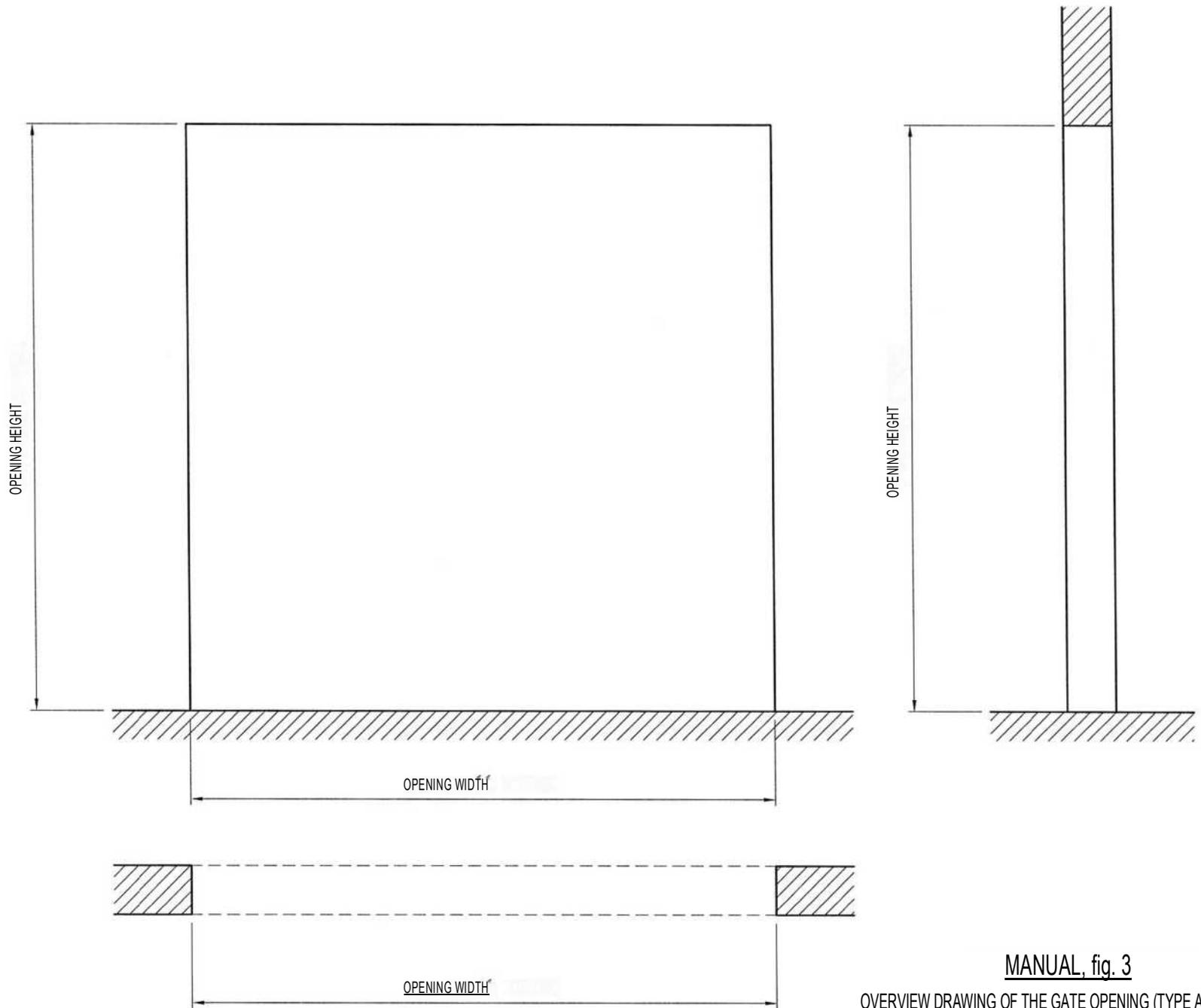
GATE WITH A CEILING-MOUNTED CASSETTE

PLEASE, PAY ATTENTION TO THE DIFFERENCE IN ANGLE INSTALLATION



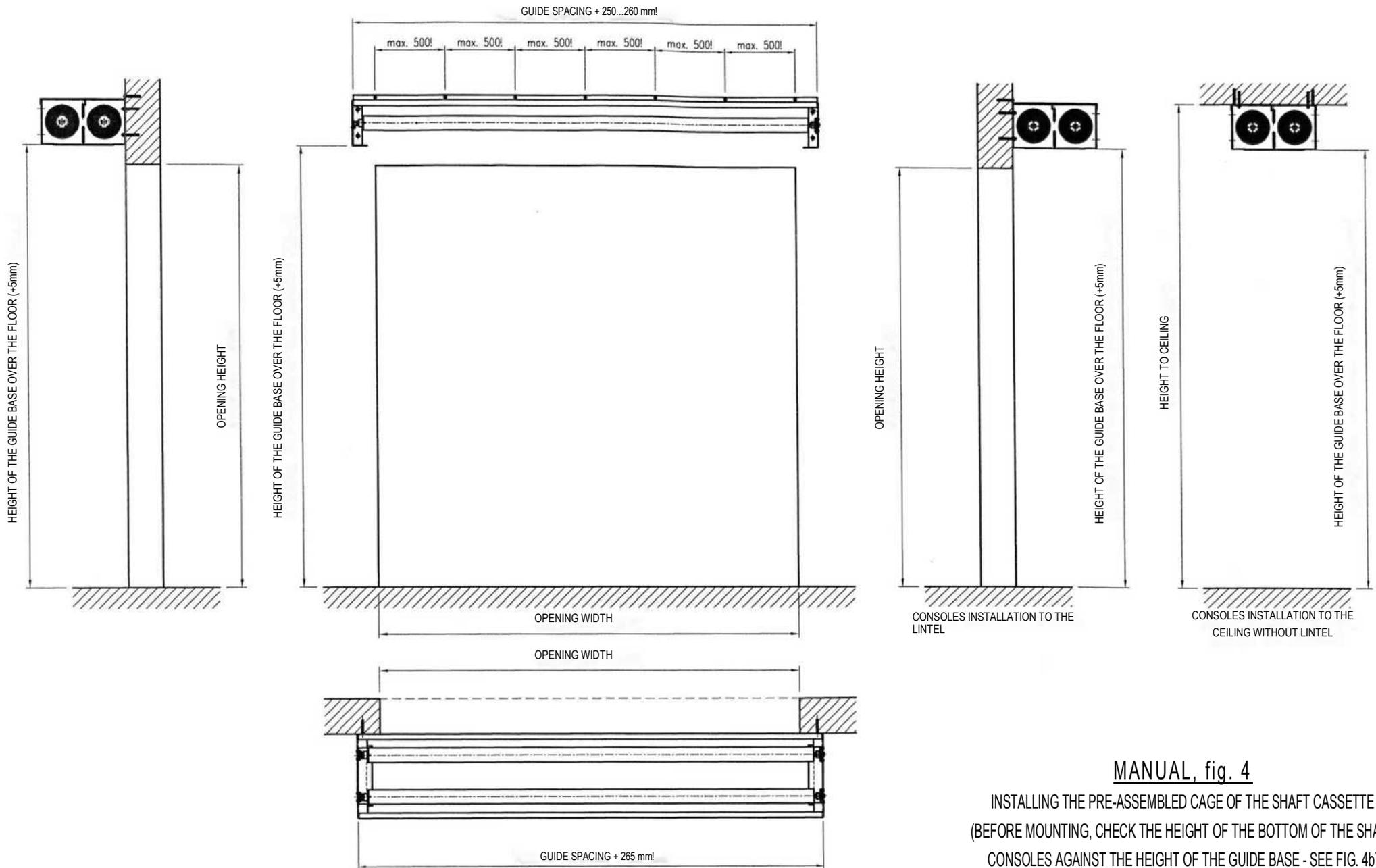
ATTENTION!
IN CASE OF CEILING-MOUNTED
GATES, DRILL 4 HOLES WITH A
DIAMETER ϕ 12.5mm!

MANUAL, fig. 2
INSTALLATION OF SHAFT CAGE ON THE GROUND



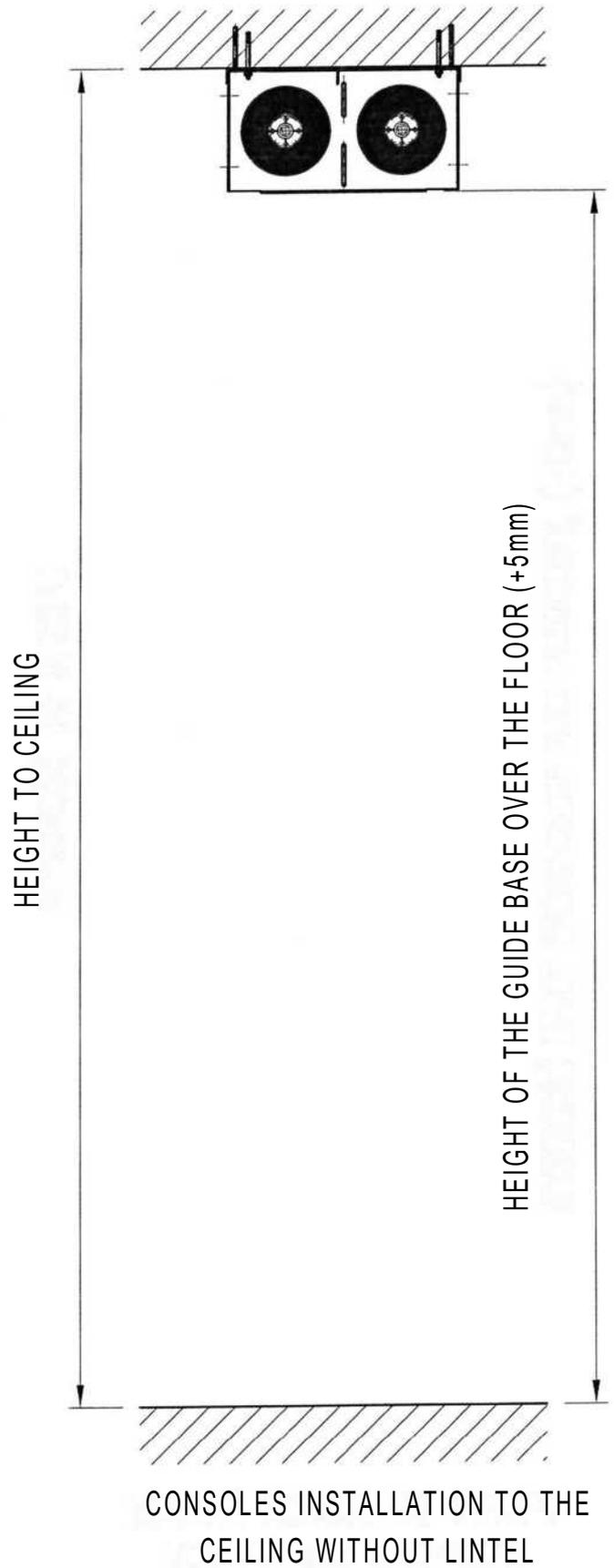
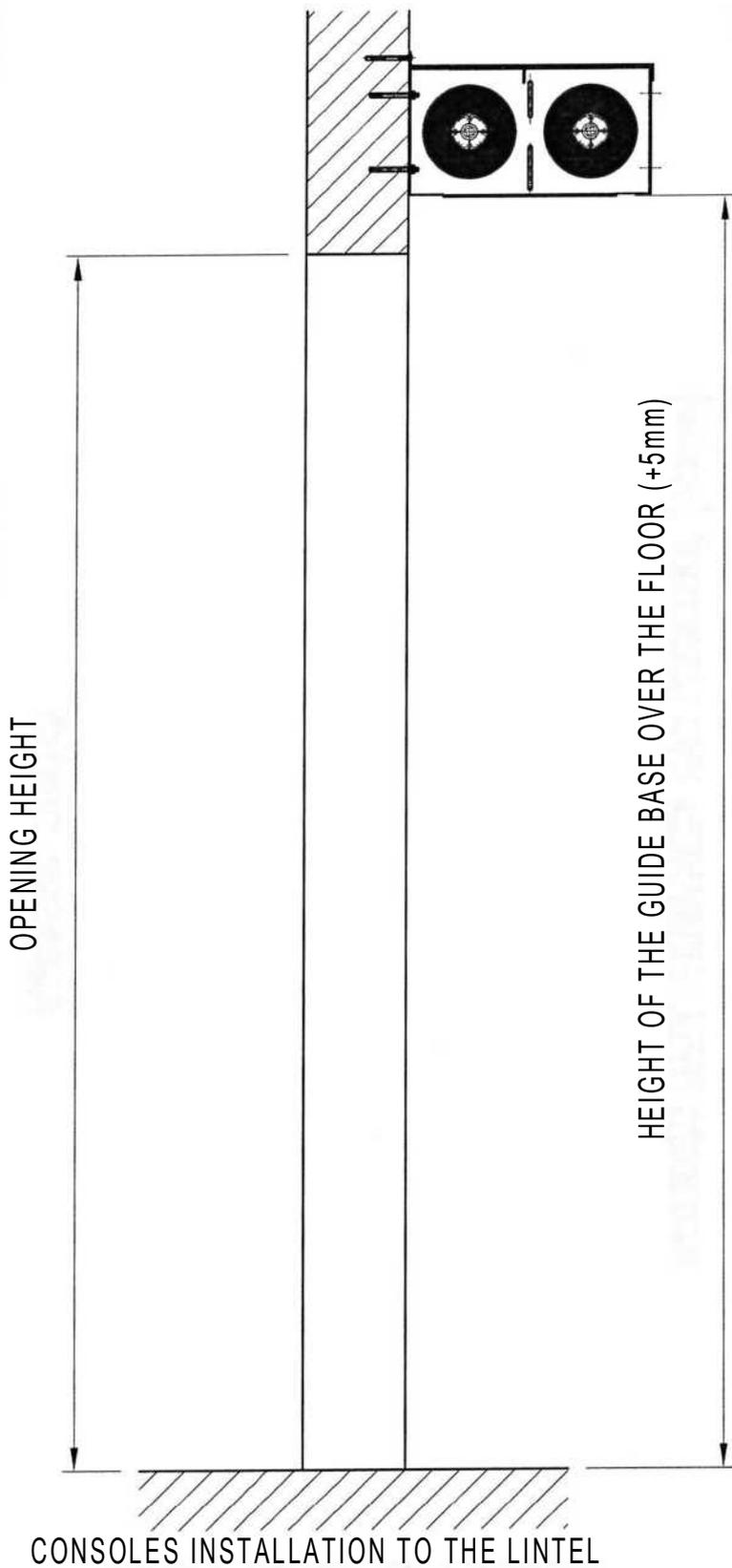
MANUAL, fig. 3

OVERVIEW DRAWING OF THE GATE OPENING (TYPE AND METHOD OF GATE INSTALLATION MAY DIFFER!)

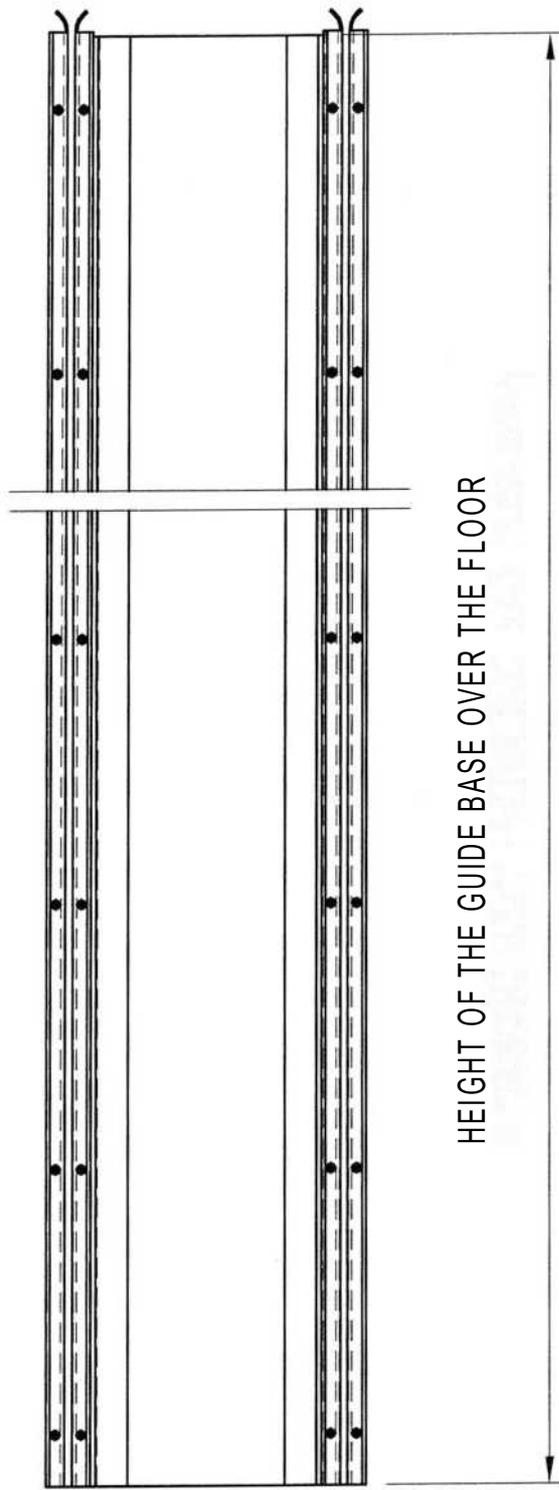


MANUAL, fig. 4

INSTALLING THE PRE-ASSEMBLED CAGE OF THE SHAFT CASSETTE
 (BEFORE MOUNTING, CHECK THE HEIGHT OF THE BOTTOM OF THE SHAFT
 CONSOLES AGAINST THE HEIGHT OF THE GUIDE BASE - SEE FIG. 4b)



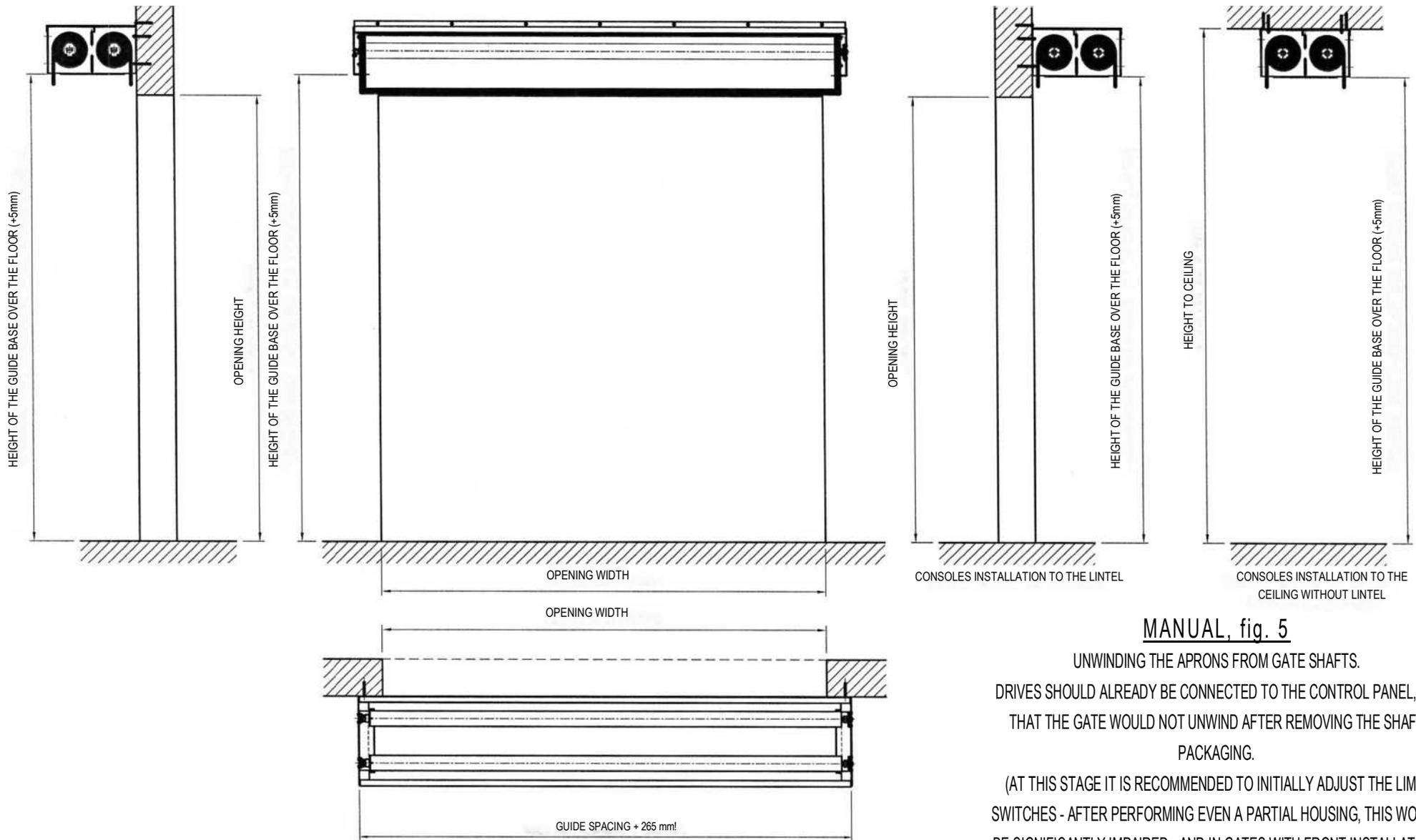
MANUAL, fig. 4a
 INSTALLING THE PRE-ASSEMBLED CAGE OF THE
 SHAFT CASSETTE - SECTION (BASIC INSTALLATION
 VARIANTS)



MANUAL, fig. 4b

HEIGHT OF THE GUIDE BASE OVER THE FLOOR

IT IS RECOMMENDED T INSTALL CONSOLES WITH A
CLEARANCE (ABOVE THE GUIDE BASE) OF APPROX. 5mm



MANUAL, fig. 5

UNWINDING THE APRONS FROM GATE SHAFTS.

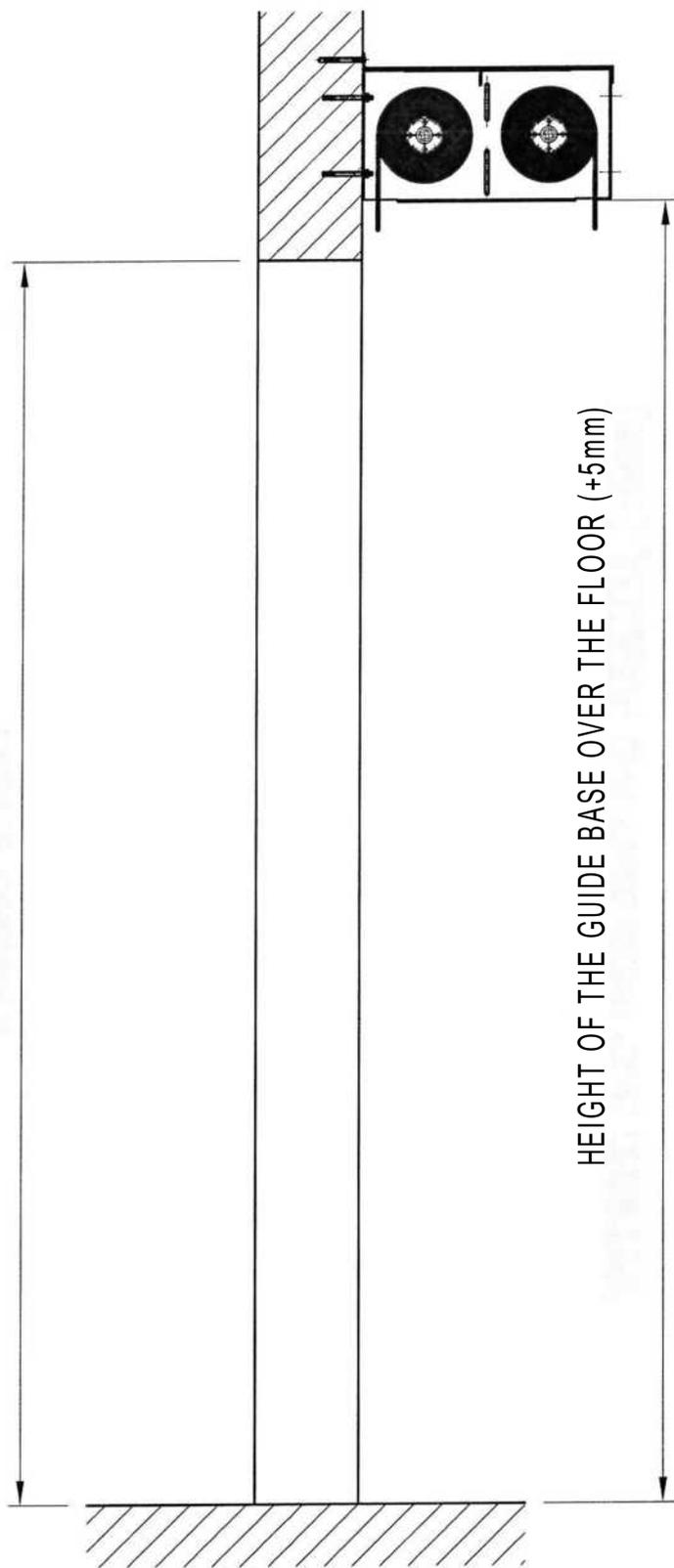
DRIVES SHOULD ALREADY BE CONNECTED TO THE CONTROL PANEL, SO THAT THE GATE WOULD NOT UNWIND AFTER REMOVING THE SHAFT PACKAGING.

(AT THIS STAGE IT IS RECOMMENDED TO INITIALLY ADJUST THE LIMIT SWITCHES - AFTER PERFORMING EVEN A PARTIAL HOUSING, THIS WOULD BE SIGNIFICANTLY IMPAIRED - AND IN GATES WITH FRONT INSTALLATION,

IF THIS HAS NOT BEEN DONE EARLIER -

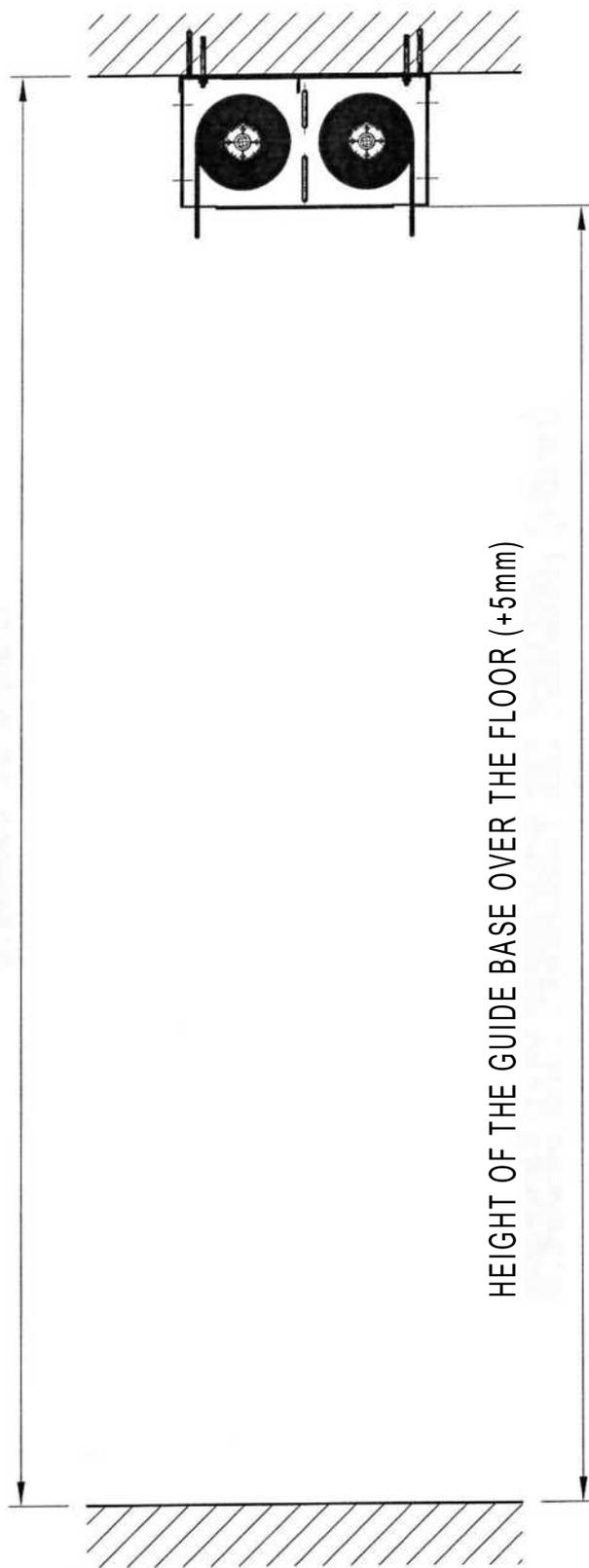
INSERT STEEL 10mm BARS TO THE BOTTOM BLADE EDGES)

OPENING HEIGHT

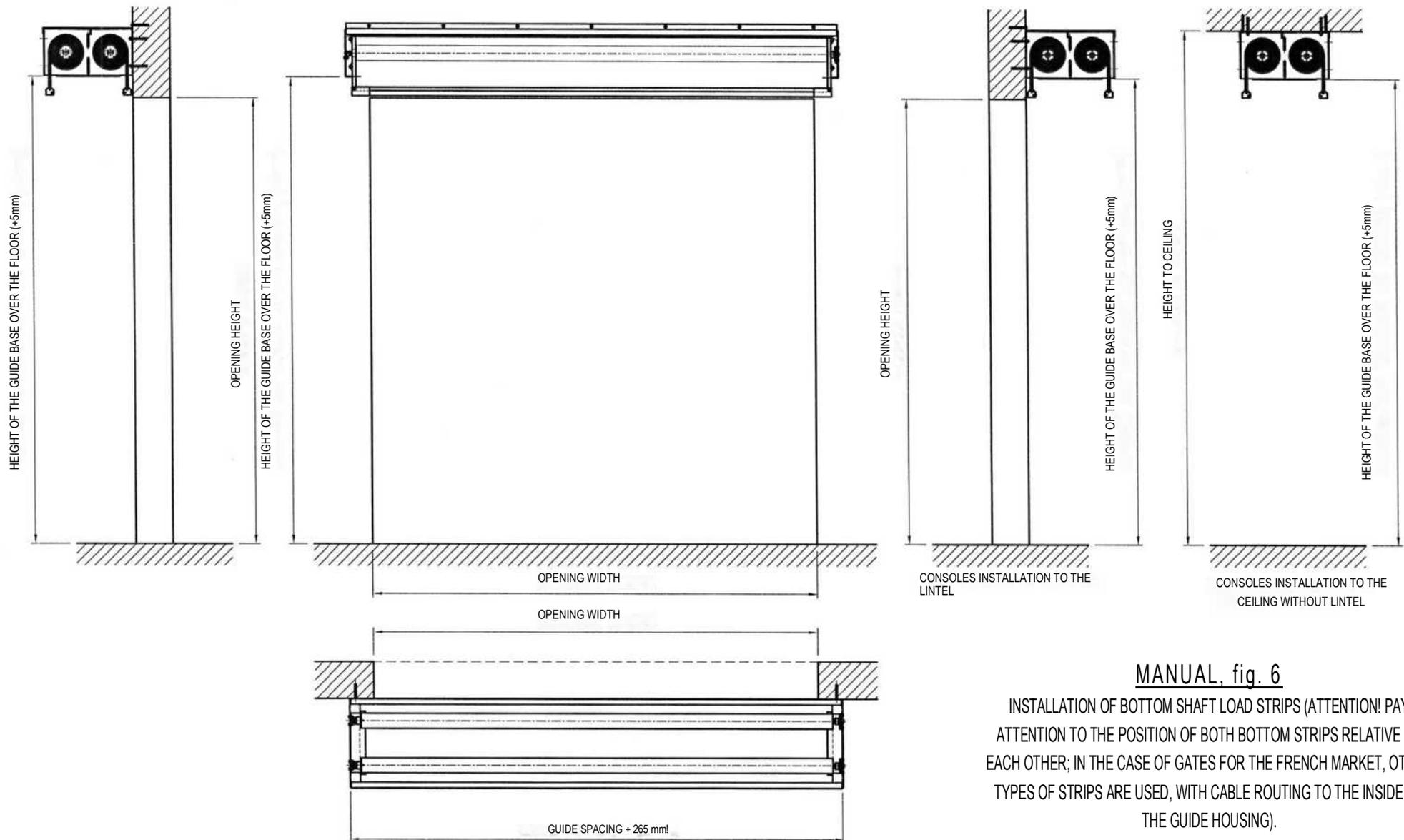


CONSOLES INSTALLATION TO THE LINTEL

HEIGHT TO CEILING



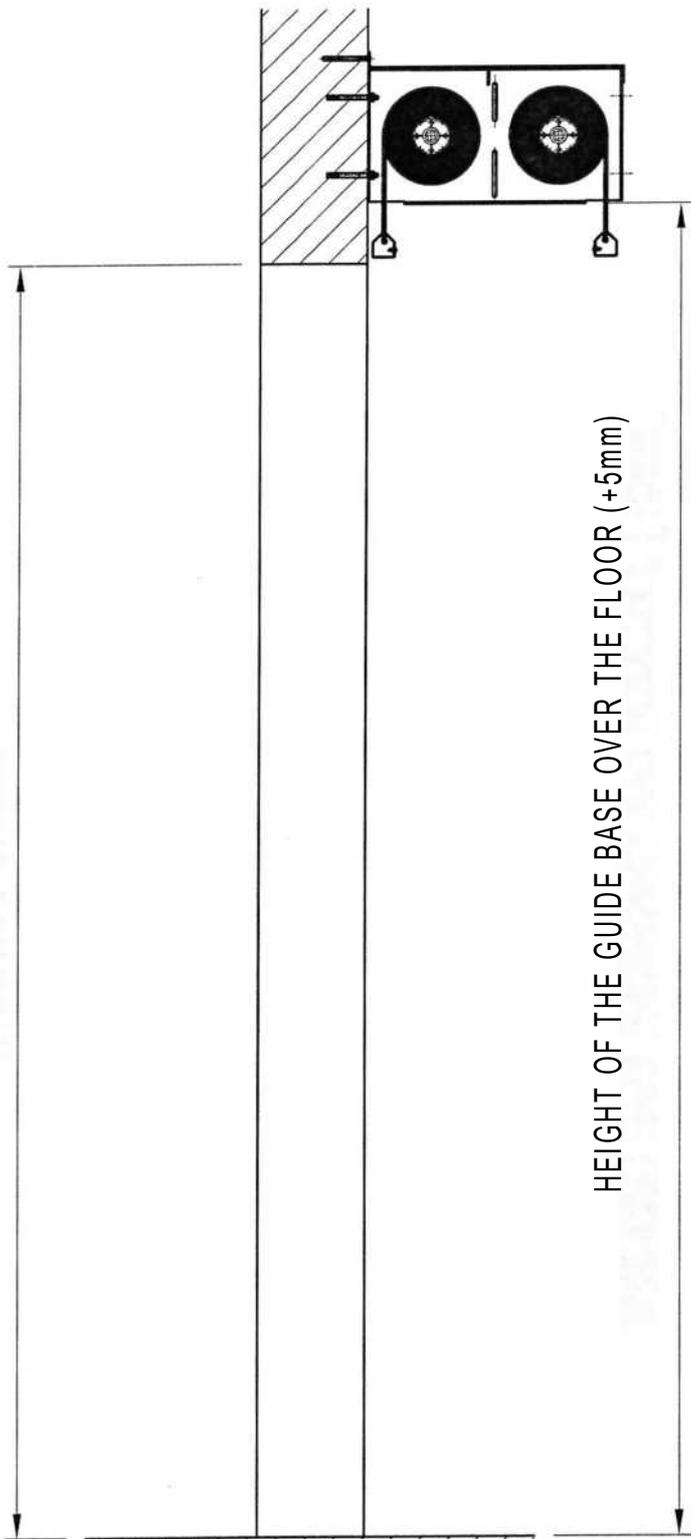
CONSOLES INSTALLATION TO THE
CEILING WITHOUT LINTEL



MANUAL, fig. 6

INSTALLATION OF BOTTOM SHAFT LOAD STRIPS (ATTENTION! PAY ATTENTION TO THE POSITION OF BOTH BOTTOM STRIPS RELATIVE TO EACH OTHER; IN THE CASE OF GATES FOR THE FRENCH MARKET, OTHER TYPES OF STRIPS ARE USED, WITH CABLE ROUTING TO THE INSIDE OF THE GUIDE HOUSING).
 DISASSEMBLE THE BOTTOM BAR SLIDES BEFORE INSTALLATION, THEN TIGHTEN THEM ON THE BOTTOM EDGE OF THE APRON, THE SCREW OF THE SLIDE ROLLERS PENETRATES THE DOOR APRON!

OPENING HEIGHT



CONSOLES INSTALLATION TO THE LINTEL

HEIGHT TO CEILING

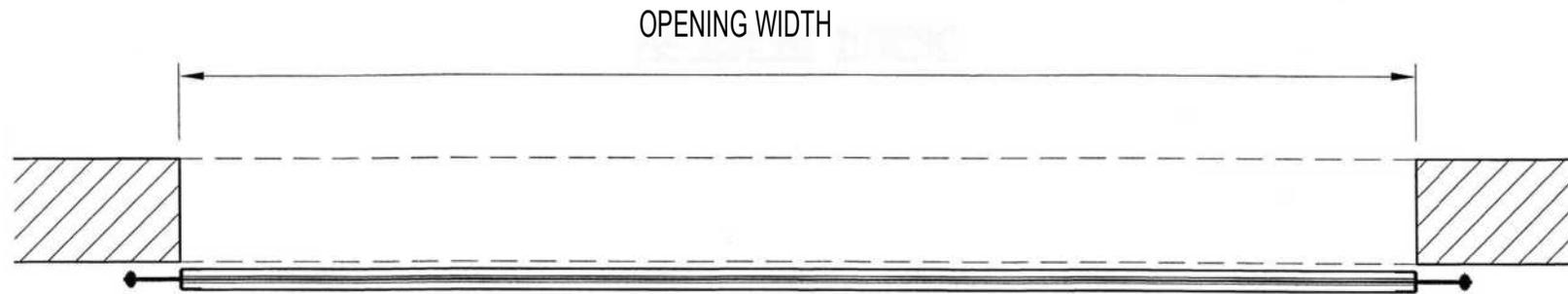


CONSOLES INSTALLATION TO THE CEILING WITHOUT LINTEL

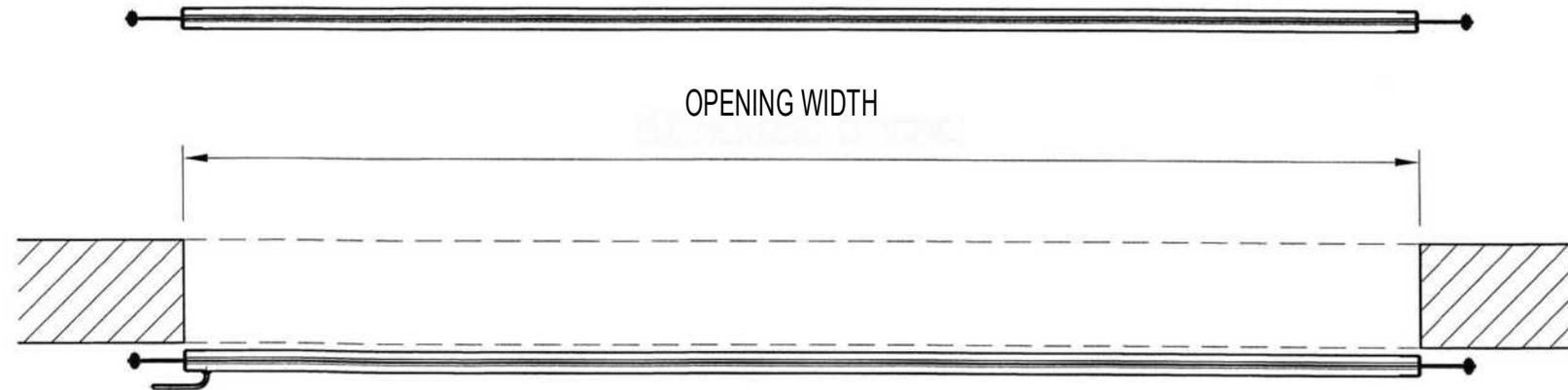
MANUAL, fig. 6a

INSTALLATION OF BOTTOM GATE STRIPS - SECTION

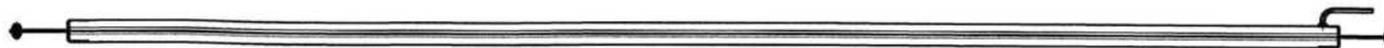
ATTENTION! IN CASE OF GATES DEDICATED TO THE FRENCH MARKET, ABSOLUTELY PAY ATTENTION
TO THE LAYOUT OF THE BOTTOM STRIPS IN GATES EQUIPPED WITH SAFETY EDGE WITH HIDDEN
SPIRAL CABLES!



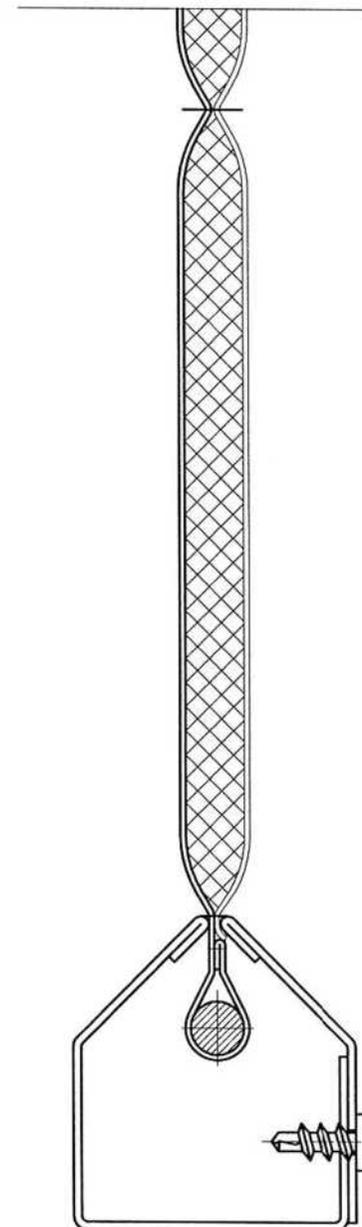
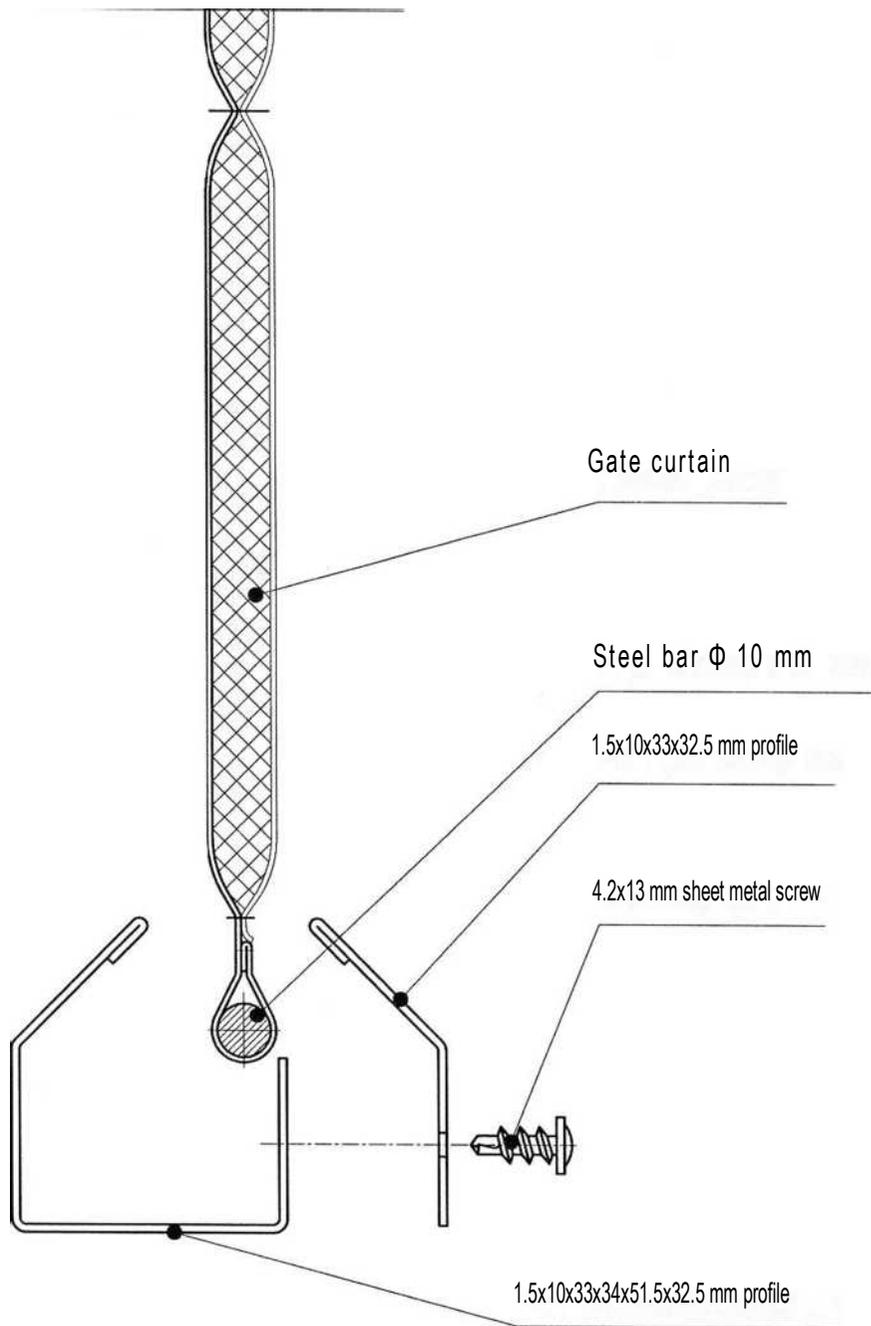
POSITION OF STRIPS FOR GATES WITH STANDARD GUIDES



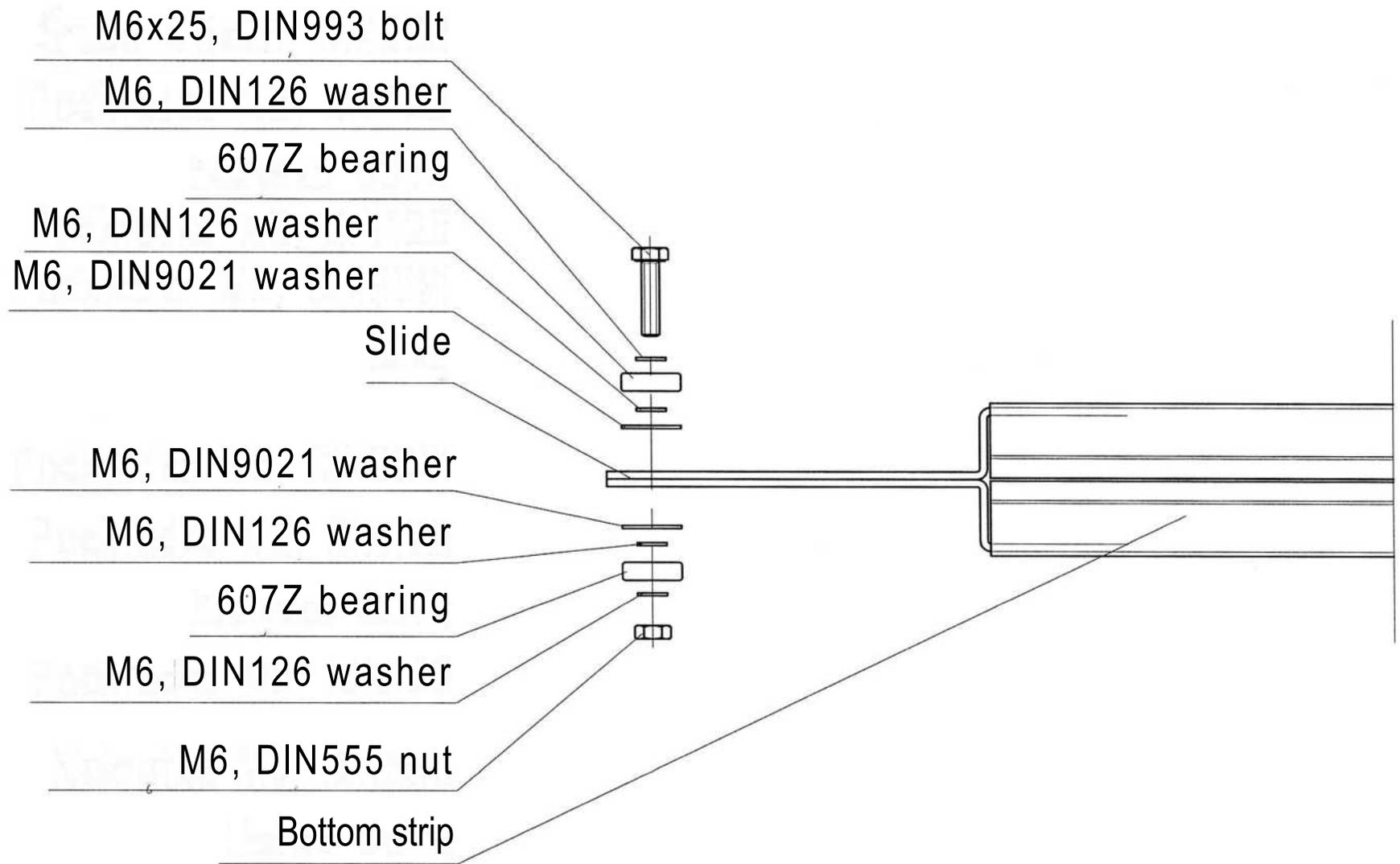
POSITION OF STRIPS FOR GUIDES WITH HIDDEN SPIRAL CABLES USED
ONLY ON THE FRENCH MARKET



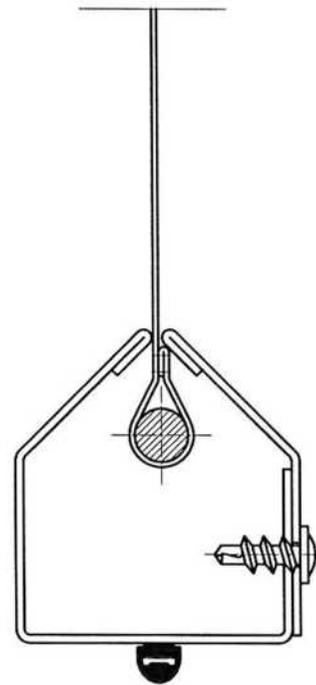
MANUAL, fig. 6b
INSTALLATION OF BOTTOM GATE STRIPS -
RELATIVE POSITION OF STRIPS TO EACH
OTHER



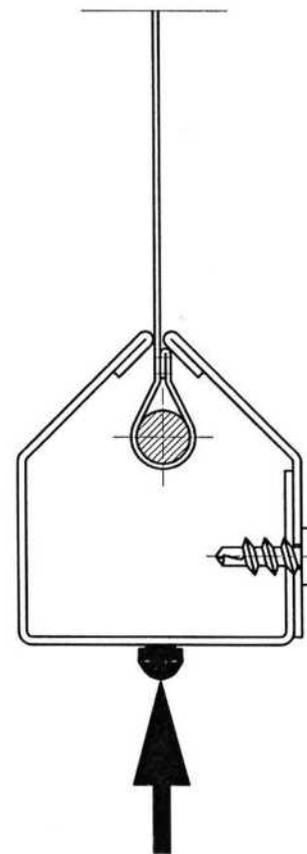
MANUAL, fig. 6c
 INSTALLATION OF BOTTOM GATE STRIPS
 STRIP INSTALLATION DETAIL



OPERATION
MODE



STOP



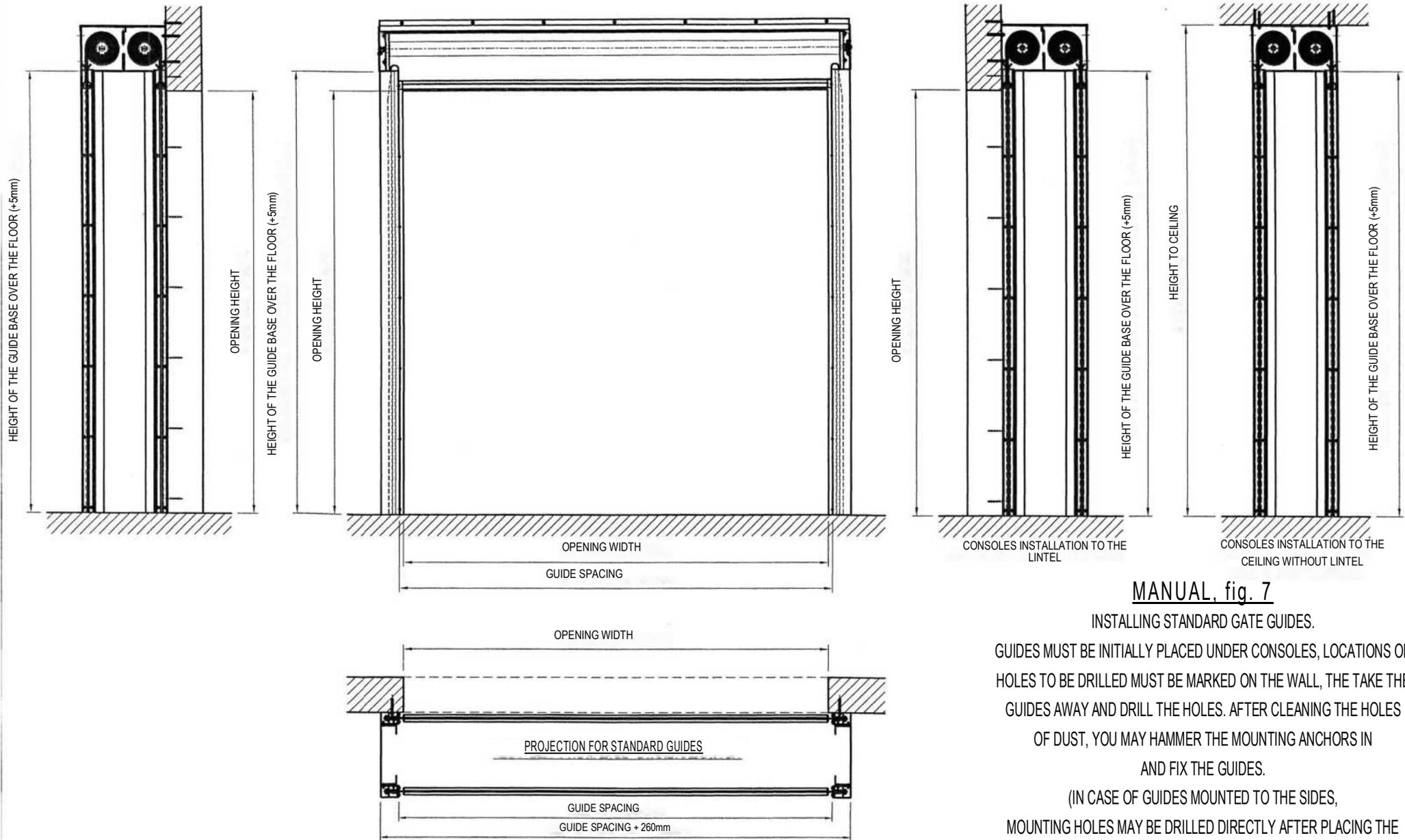
GLUED CONTACT STRIP

MANUAL, fig. 6e

GLUED CONTACT STRIP (OPTIONAL)

THE STRIP MUST BE GLUED ALONG THE ENTIRE LENGTH
OF THE GATE BOTTOM STRIP

BEFORE INSTALLING THE GUIDES, THEY MUST BE DISASSEMBLED - REMOVE SCREWED ELEMENTS, WHICH ARE MOUNTED BACK AFTER INSTALLING SEALING ON THE WALL,
 (CONCERNS ONLY THE GATES MOUNTED TO THE LINTEL)
 AFTER RE-INSTALLING THE ADJUSTED STRIPS, SET APPROPRIATE SPACING - IT IS RECOMMENDED TO PRESERVE APPROX. 14mm GAP

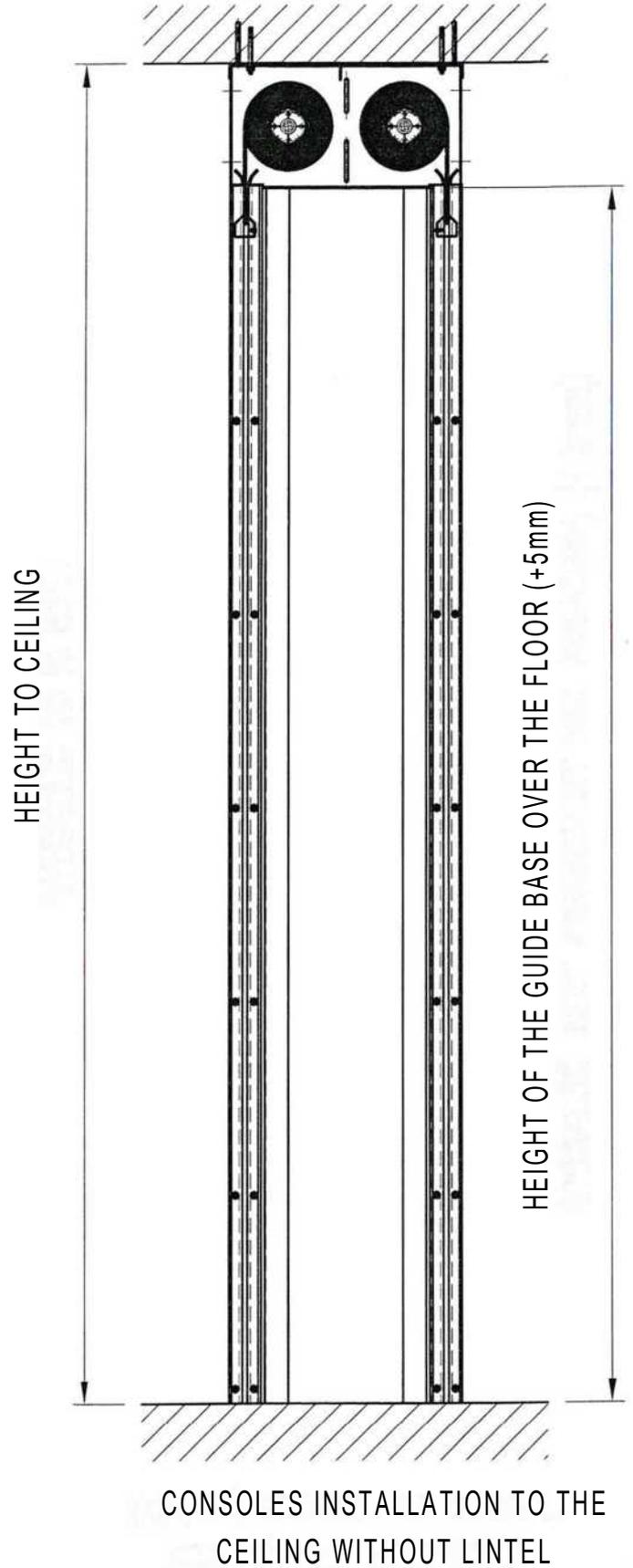
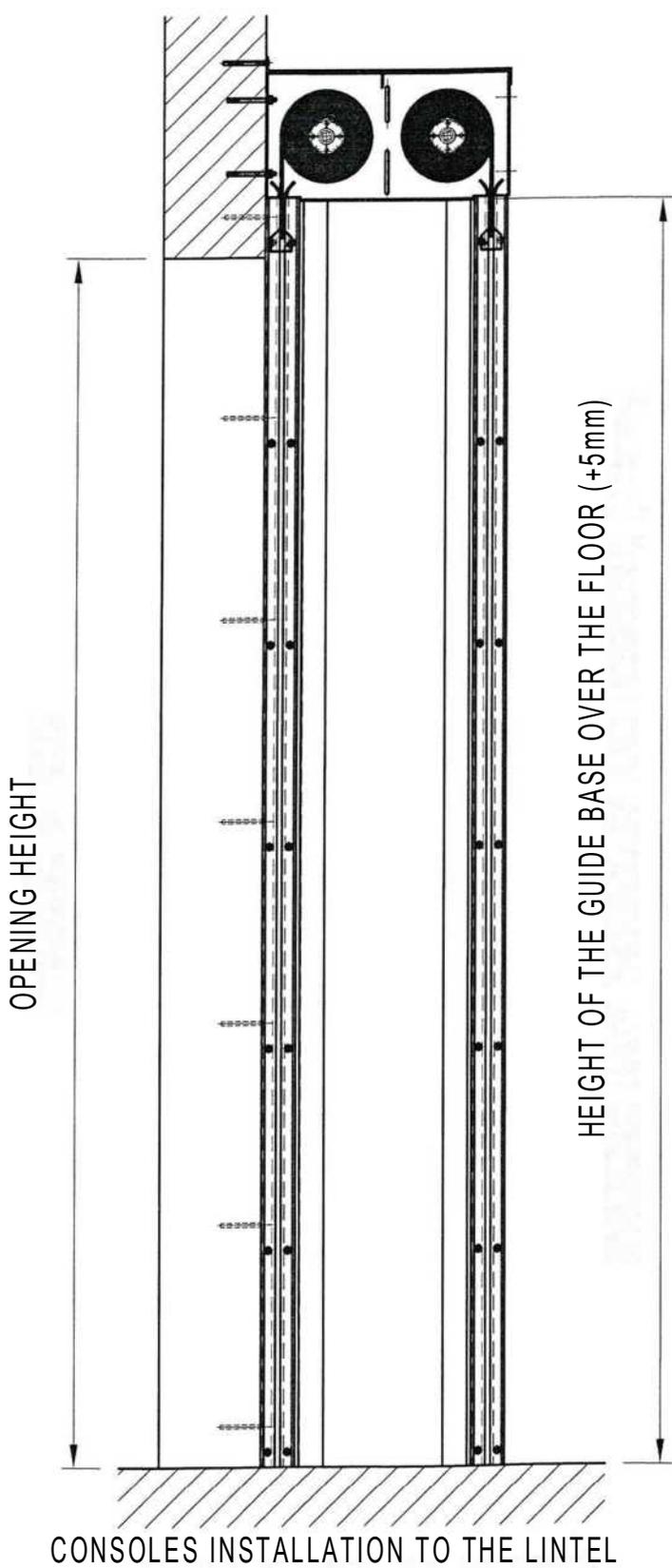


MANUAL, fig. 7

INSTALLING STANDARD GATE GUIDES.

GUIDES MUST BE INITIALLY PLACED UNDER CONSOLES, LOCATIONS OF HOLES TO BE DRILLED MUST BE MARKED ON THE WALL, THE TAKE THE GUIDES AWAY AND DRILL THE HOLES. AFTER CLEANING THE HOLES OF DUST, YOU MAY HAMMER THE MOUNTING ANCHORS IN AND FIX THE GUIDES.

(IN CASE OF GUIDES MOUNTED TO THE SIDES, MOUNTING HOLES MAY BE DRILLED DIRECTLY AFTER PLACING THE GUIDES IN APPROPRIATE POSITION).



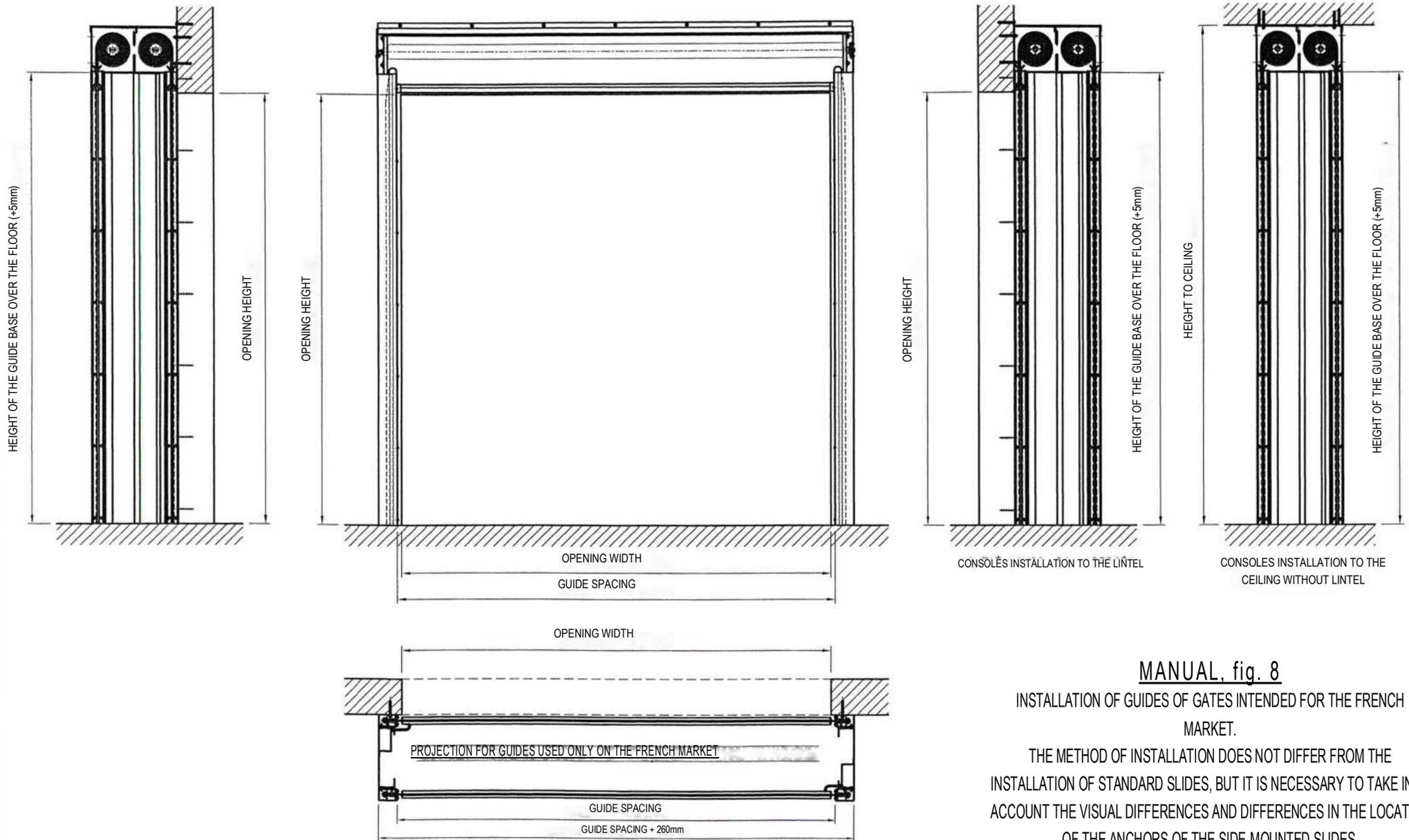
IN CASE OF TUNNEL-MOUNTED GATED, THE GUIDES SHOULD BE FIXED TO THE SIDE WALLS THROUGH FIRE-PROOF PANELS WITH AN APPROPRIATE TOTAL THICKNESS - SEE

FIG. 19b, 19c / 20b, 20c.

MANUAL, fig. 7a
INSTALLING STANDARD GATE GUIDES - SECTION

BEFORE INSTALLING THE GUIDES, THEY MUST BE DISASSEMBLED - REMOVE SCREWED ELEMENTS, WHICH ARE MOUNTED BACK AFTER INSTALLING SEALING ON THE WALL,
(CONCERNS ONLY THE GATES MOUNTED TO THE LINTEL)

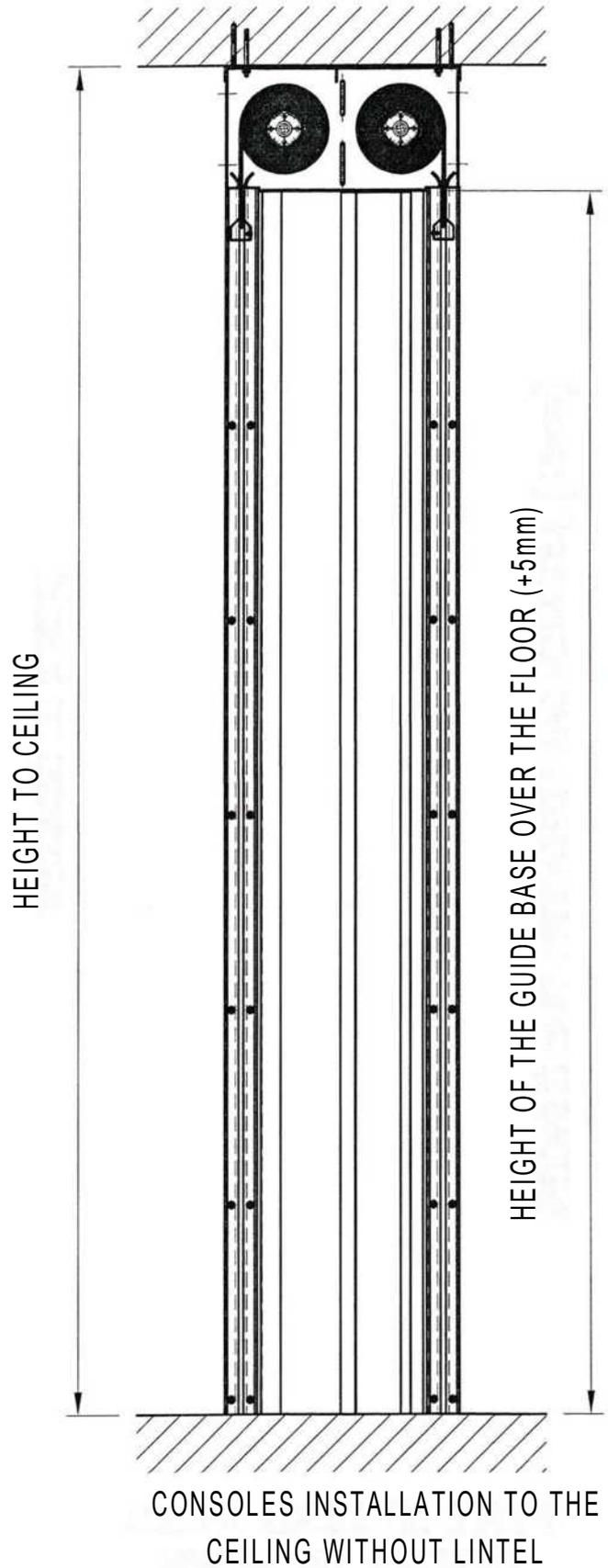
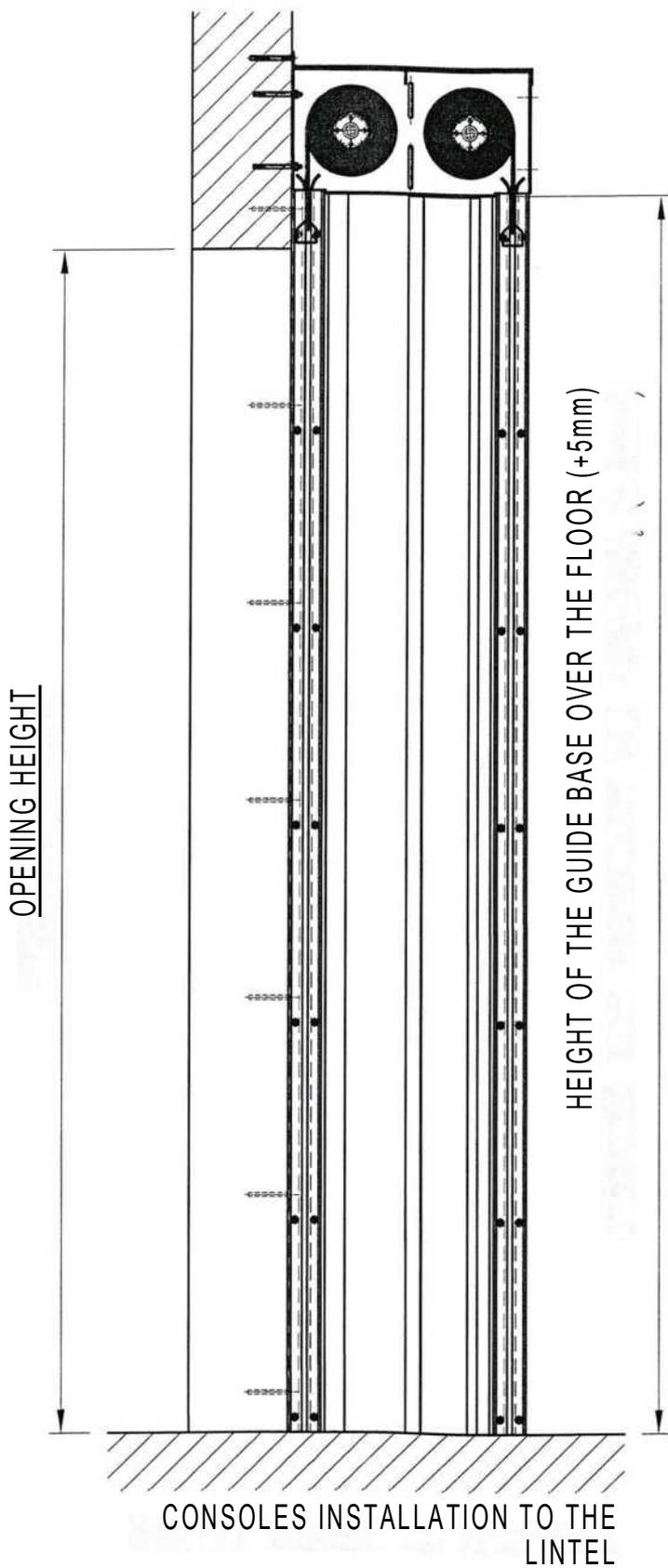
AFTER RE-INSTALLING THE ADJUSTED STRIPS, SET APPROPRIATE SPACING - IT IS RECOMMENDED TO PRESERVE APPROX. 14mm GAP



MANUAL, fig. 8

INSTALLATION OF GUIDES OF GATES INTENDED FOR THE FRENCH MARKET.

THE METHOD OF INSTALLATION DOES NOT DIFFER FROM THE INSTALLATION OF STANDARD SLIDES, BUT IT IS NECESSARY TO TAKE INTO ACCOUNT THE VISUAL DIFFERENCES AND DIFFERENCES IN THE LOCATION OF THE ANCHORS OF THE SIDE-MOUNTED SLIDES.

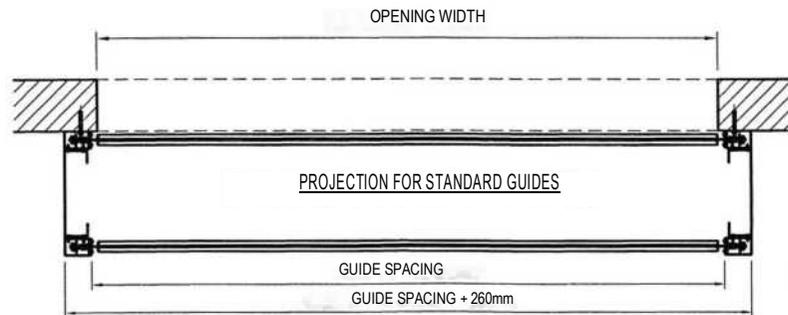
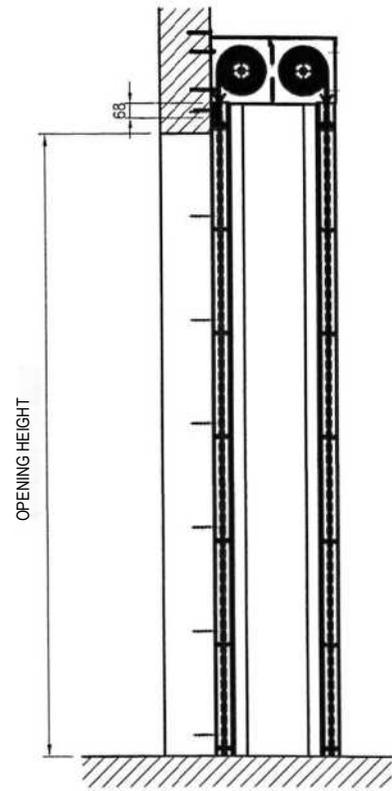
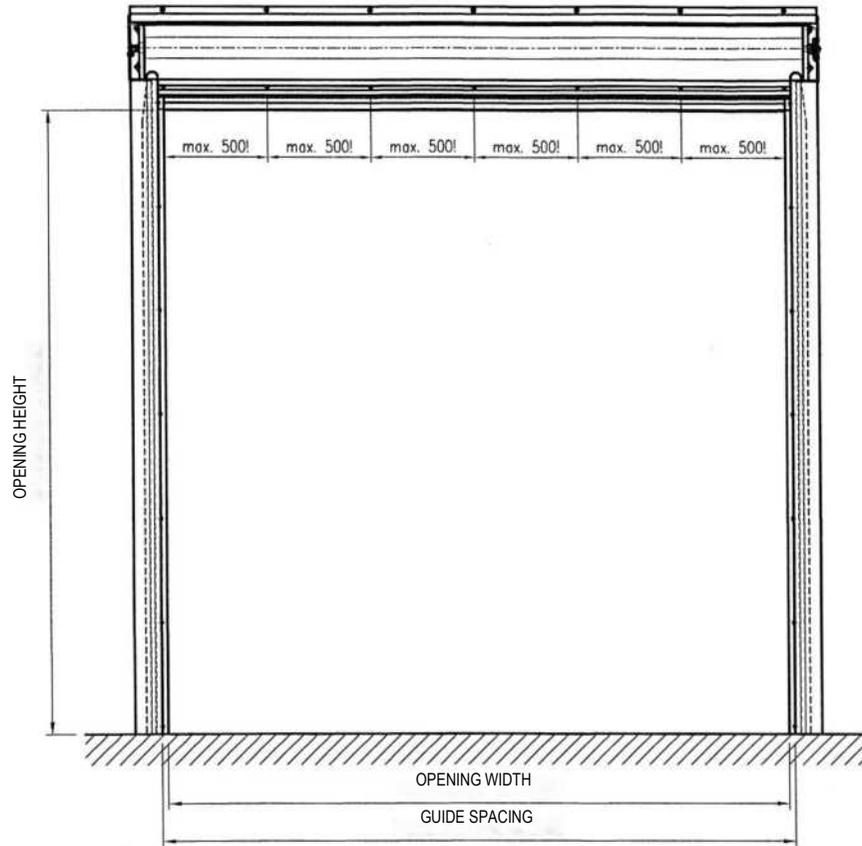
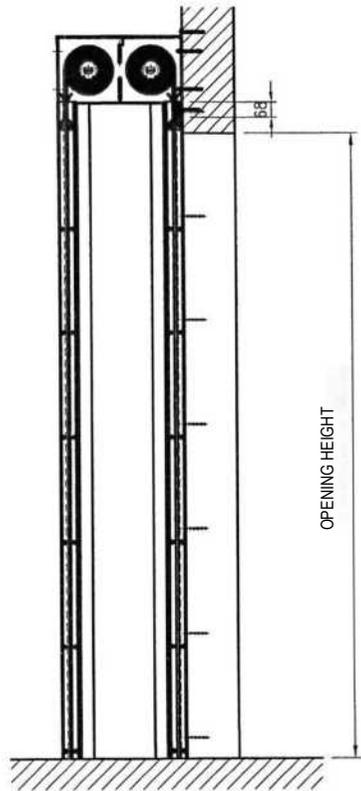


IN CASE OF TUNNEL-MOUNTED GATED, THE GUIDES SHOULD BE FIXED TO THE SIDE WALLS THROUGH FIRE-PROOF PANELS WITH AN APPROPRIATE TOTAL THICKNESS - SEE

FIG. 20b, 20c.

MANUAL, fig. 8b

INSTALLING THE GUIDES OF GATES FOR THE FRENCH MARKET - SECTION



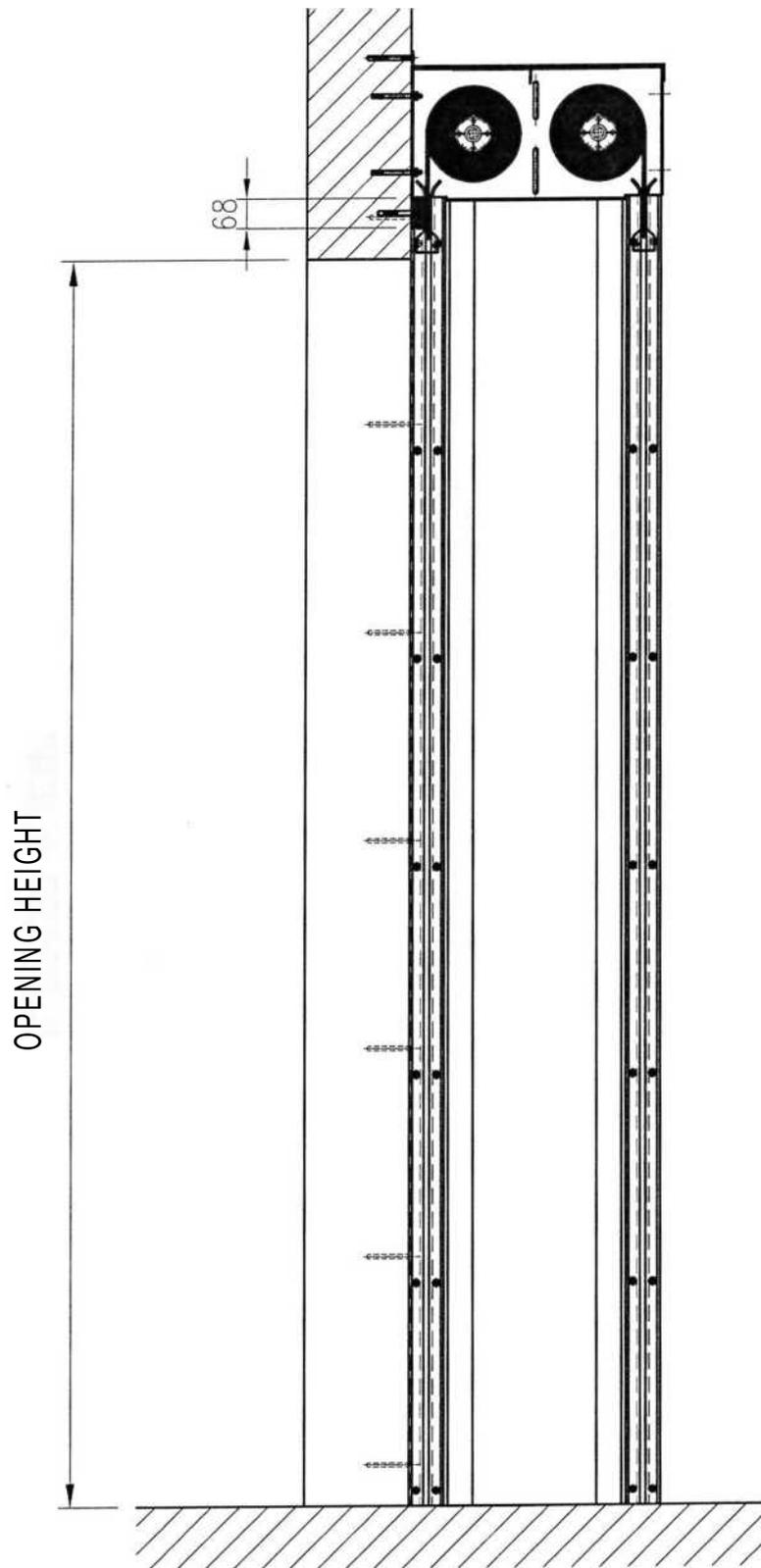
MANUAL, fig. 9

INSTALLATION OF THE BOTTOM SEALING OF THE CASSETTE ON THE WALL (CONCERNS ONLY THE GATES MOUNTED IN OPENINGS WITH LINTEL; BEFORE INSTALLATION, IT IS RECOMMENDED TO LIFT THE BOTTOM STRIP UNDER THE CASSETTE TO THE MAXIMUM EXTENT.

PERFORM INSTALLATION

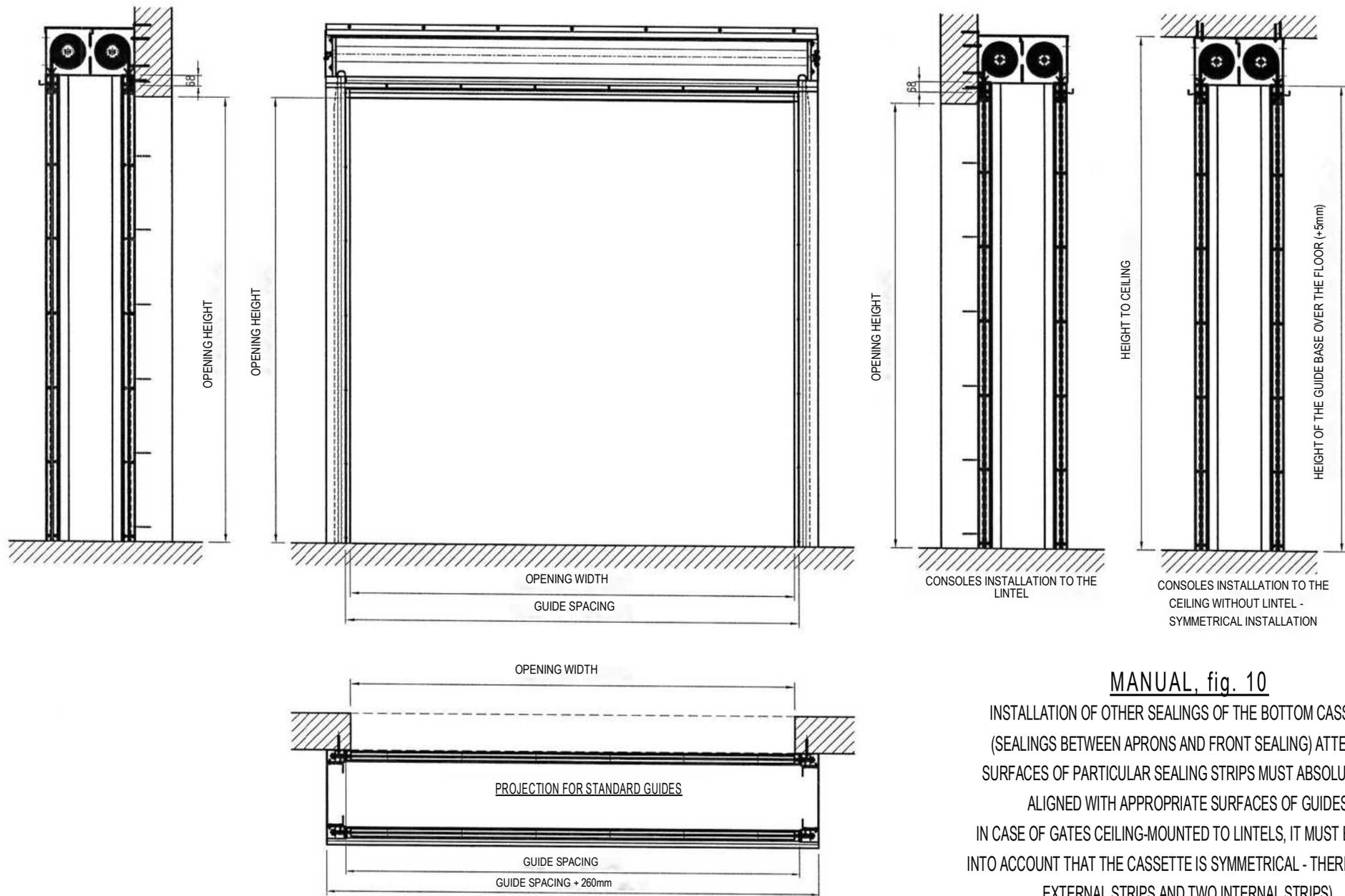
WITH 10/72 ANCHOTS AT A SPACING OF max. 500mm,

AFTER INSTALLING THE SEALING STRIP, ITS SURFACE MUST BE ALIGNED WITH THE ANALOGICAL SURFACE OF GUIDES - SEPARATION FROM THE WALL MUST BE SET WITH AN APPROPRIATE THICKNESS OF A FIRE-PROOF PLATE STRIP)



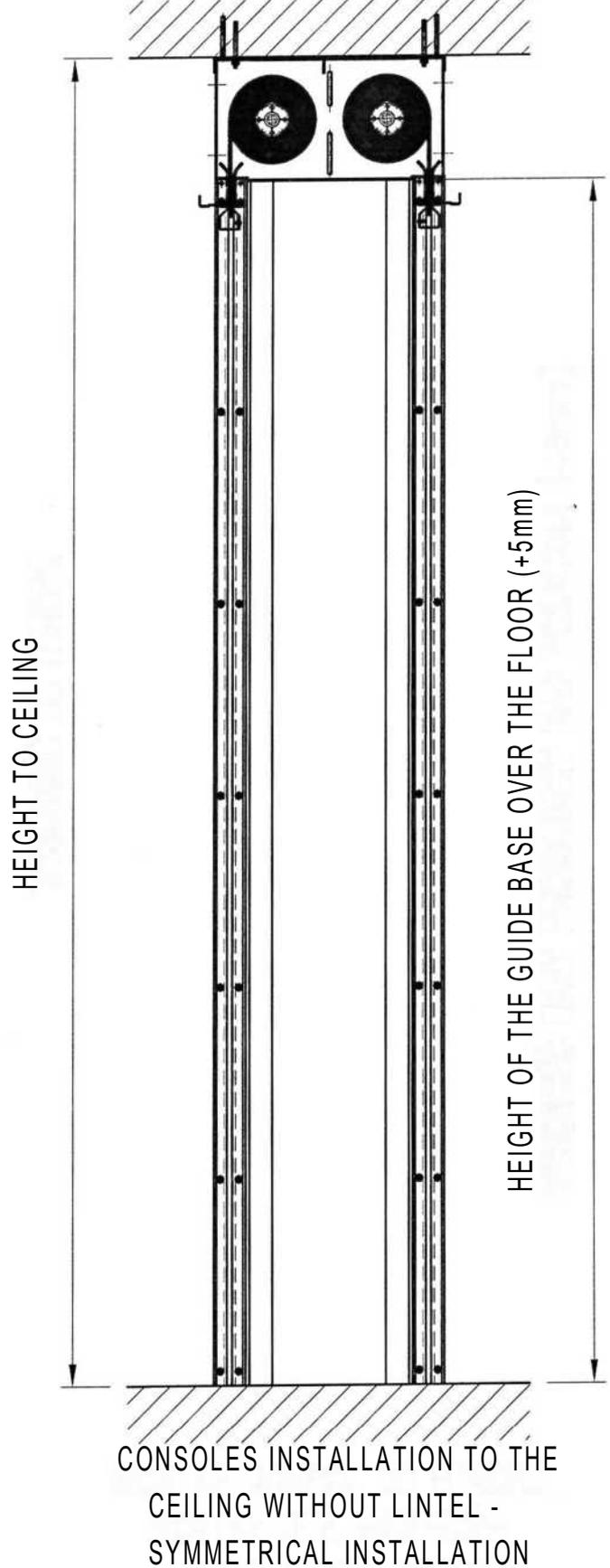
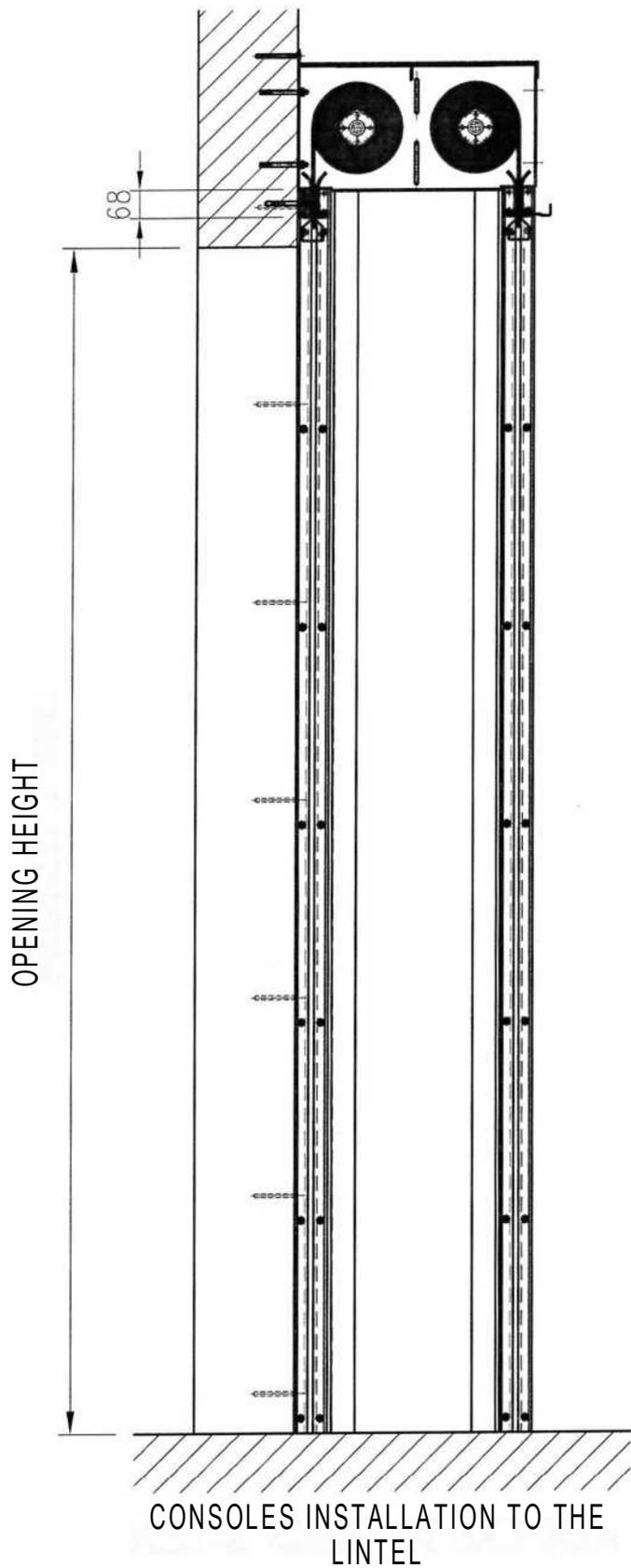
MANUAL, fig. 9a

INSTALLATION OF THE BOTTOM CASSETTE SEALING ON THE WALL -
SECTION



MANUAL, fig. 10

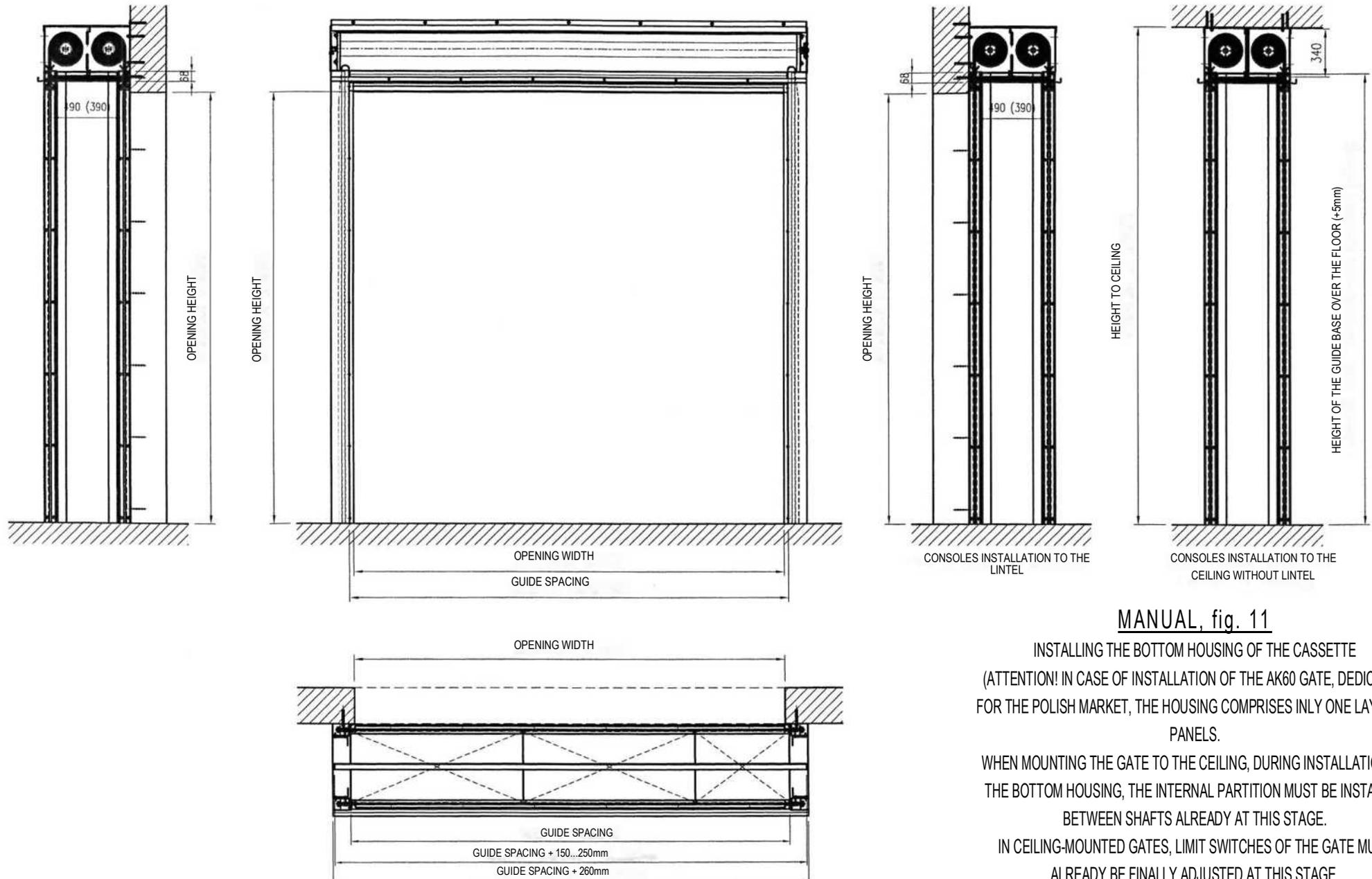
INSTALLATION OF OTHER SEALINGS OF THE BOTTOM CASSETTES (SEALINGS BETWEEN APRONS AND FRONT SEALING) ATTENTION! SURFACES OF PARTICULAR SEALING STRIPS MUST ABSOLUTELY BE ALIGNED WITH APPROPRIATE SURFACES OF GUIDES. IN CASE OF GATES CEILING-MOUNTED TO LINTELS, IT MUST BE TAKEN INTO ACCOUNT THAT THE CASSETTE IS SYMMETRICAL - THERE ARE TWO EXTERNAL STRIPS AND TWO INTERNAL STRIPS).



MANUAL, fig. 11a

INSTALLATION OF OTHER SEALINGS OF THE BOTTOM CASSETTES - SECTION

DURING INSTALLATION, IT IS RECOMMENDED TO FIRST INSTALL THE END PLATES, SCREW THE ANGLE TO THEM, WHICH WILL BE THE MOUNTING BASE FOR THE INTERNAL PARTITION, OR TO INSTALL THE INTERNAL PARTITION (ATTENTION! IN AK60 GATES, INTENDED FOR THE POLISH MARKET, A 360mm HIGH PARTITION IS USED, IN ALL OTHER GATES, 340mm PARTITION IS USED) AND THEN FINISH THE INSTALLATION OF THE BOTTOM HOUSING OF THE GATE. WHILE CUTTING THE LAST PANELS TO THE APPROPRIATE LENGTH. ALL PANELS MUST BE SCREWED TO THE ANGLE WITH SCREWS AT INTERVALS OF max. 300mm.

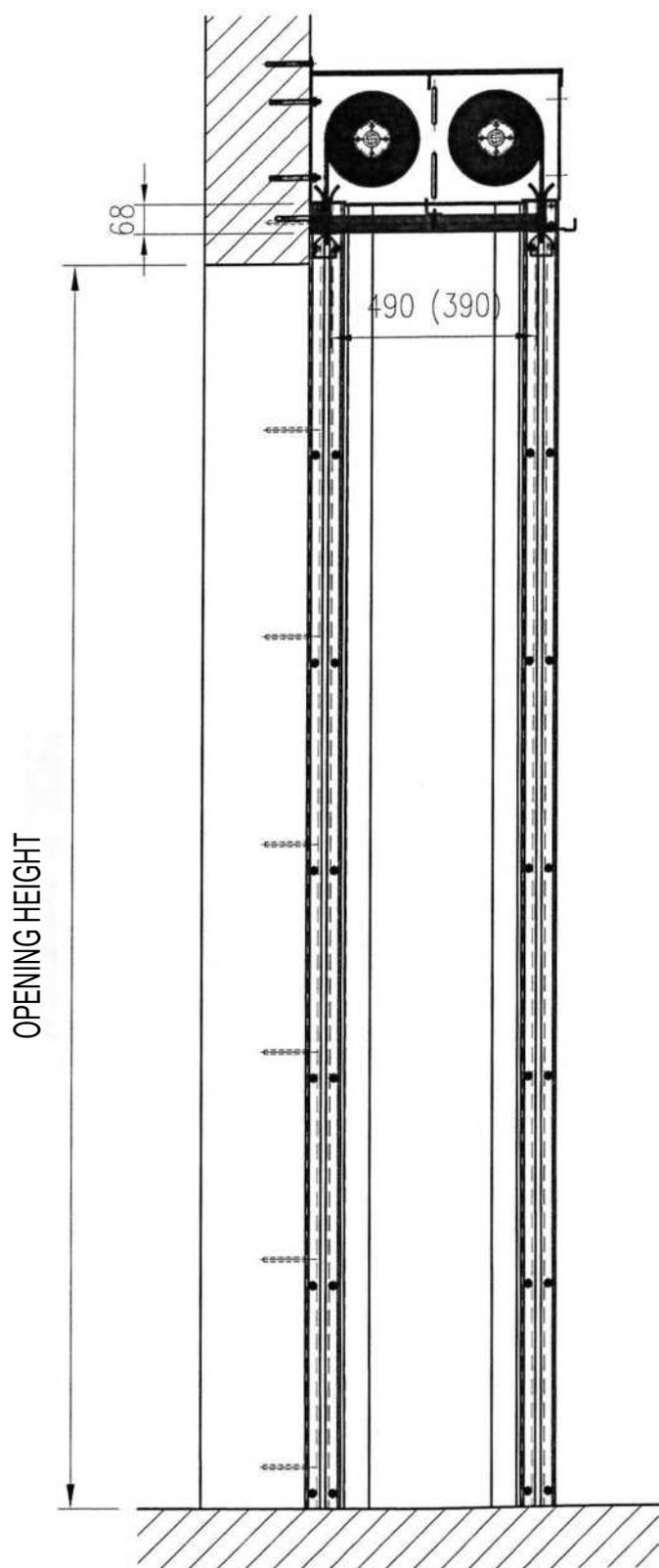


MANUAL, fig. 11

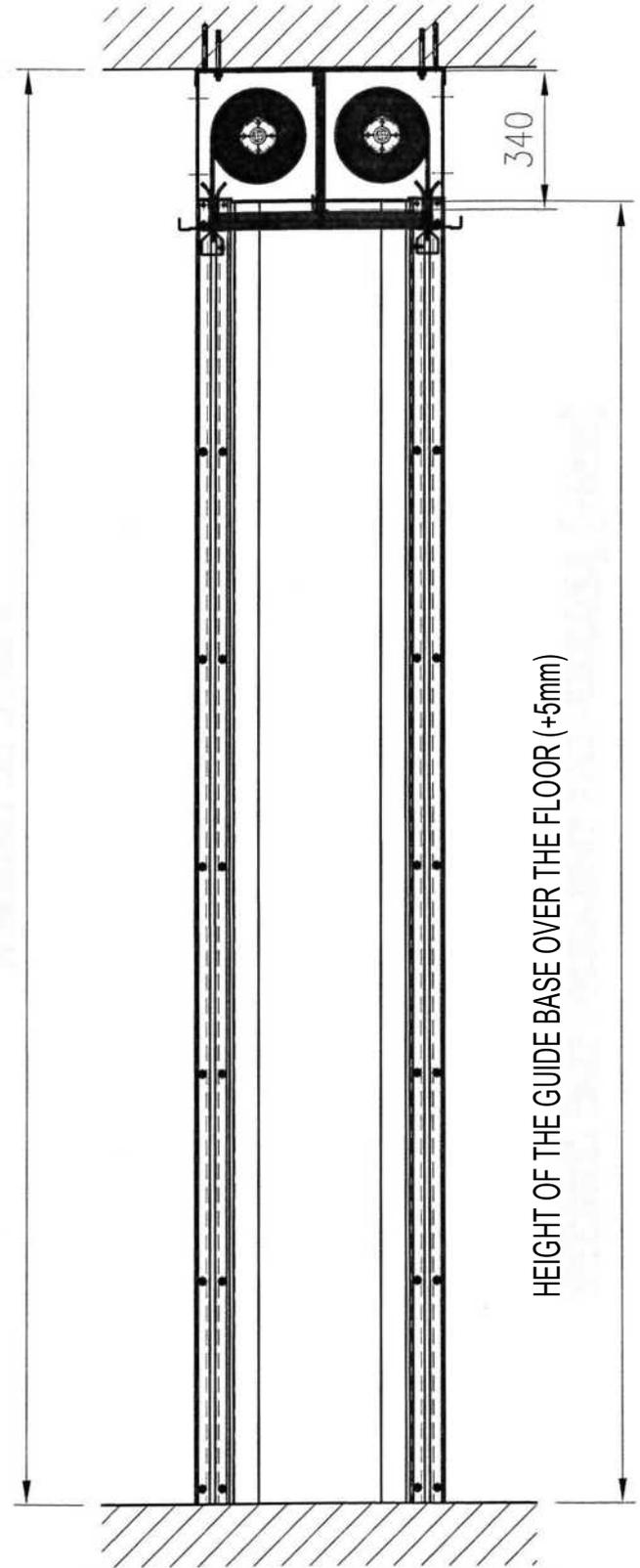
INSTALLING THE BOTTOM HOUSING OF THE CASSETTE
 (ATTENTION! IN CASE OF INSTALLATION OF THE AK60 GATE, DEDICATED FOR THE POLISH MARKET, THE HOUSING COMPRISES INLY ONE LAYER OF PANELS.

WHEN MOUNTING THE GATE TO THE CEILING, DURING INSTALLATION OF THE BOTTOM HOUSING, THE INTERNAL PARTITION MUST BE INSTALLED BETWEEN SHAFTS ALREADY AT THIS STAGE.

IN CEILING-MOUNTED GATES, LIMIT SWITCHES OF THE GATE MUST ALREADY BE FINALLY ADJUSTED AT THIS STAGE.

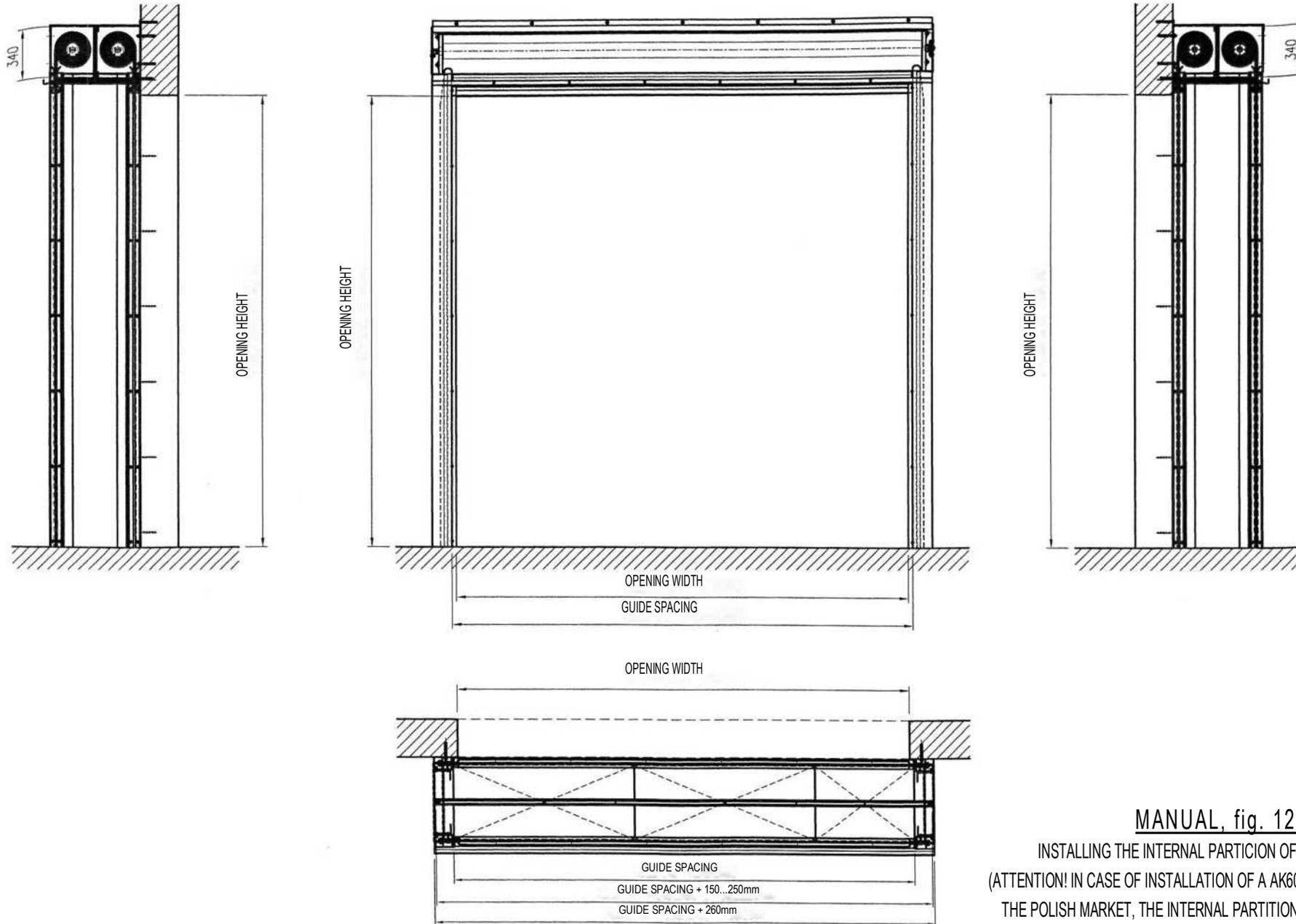


CONSOLES INSTALLATION TO THE LINTEL



CONSOLES INSTALLATION TO THE CEILING WITHOUT LINTEL
 ATTENTION! AT THIS STAGE, IN CEILING-MOUNTED GATES THE
 INTERNAL PARTITION MUST BE ABSOLUTELY INSTALLED (IN
 FRONT-MOUNTED GATES, IT IS INSTALLED AFTER INSTALLING
 THE BOTTOM PART OF SHAFT HOUSING).

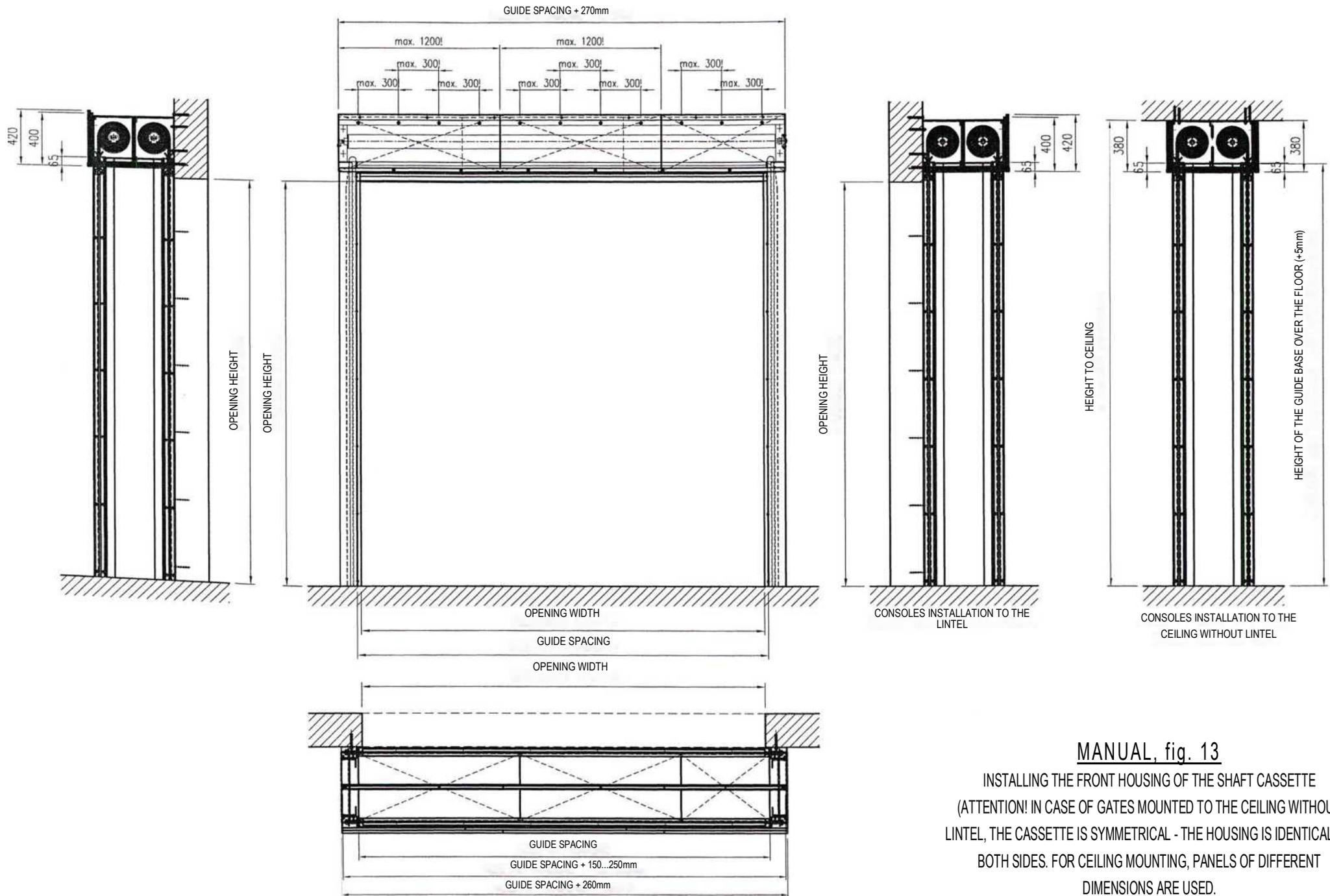
PLATES OF INTERNAL PARTITION MUST BE FIXED. BY SCREWING THEREIN SCREWS THOROUGH AN ANGLE AT INTERVAL OF max. 300 mm



MANUAL, fig. 12

INSTALLING THE INTERNAL PARTITION OF THE CASSETTE
(ATTENTION! IN CASE OF INSTALLATION OF A AK60 GATE DEDICATED FOR
THE POLISH MARKET, THE INTERNAL PARTITION, DUE TO THE LOWER
HOUSING OF THE CASSETTE ONLY OF ONE LAYER OF PANELS, HAS THE
HEIGHT OF 360mm INSTEAD OF 340mm AS IN THE ABOVE FIGURE.

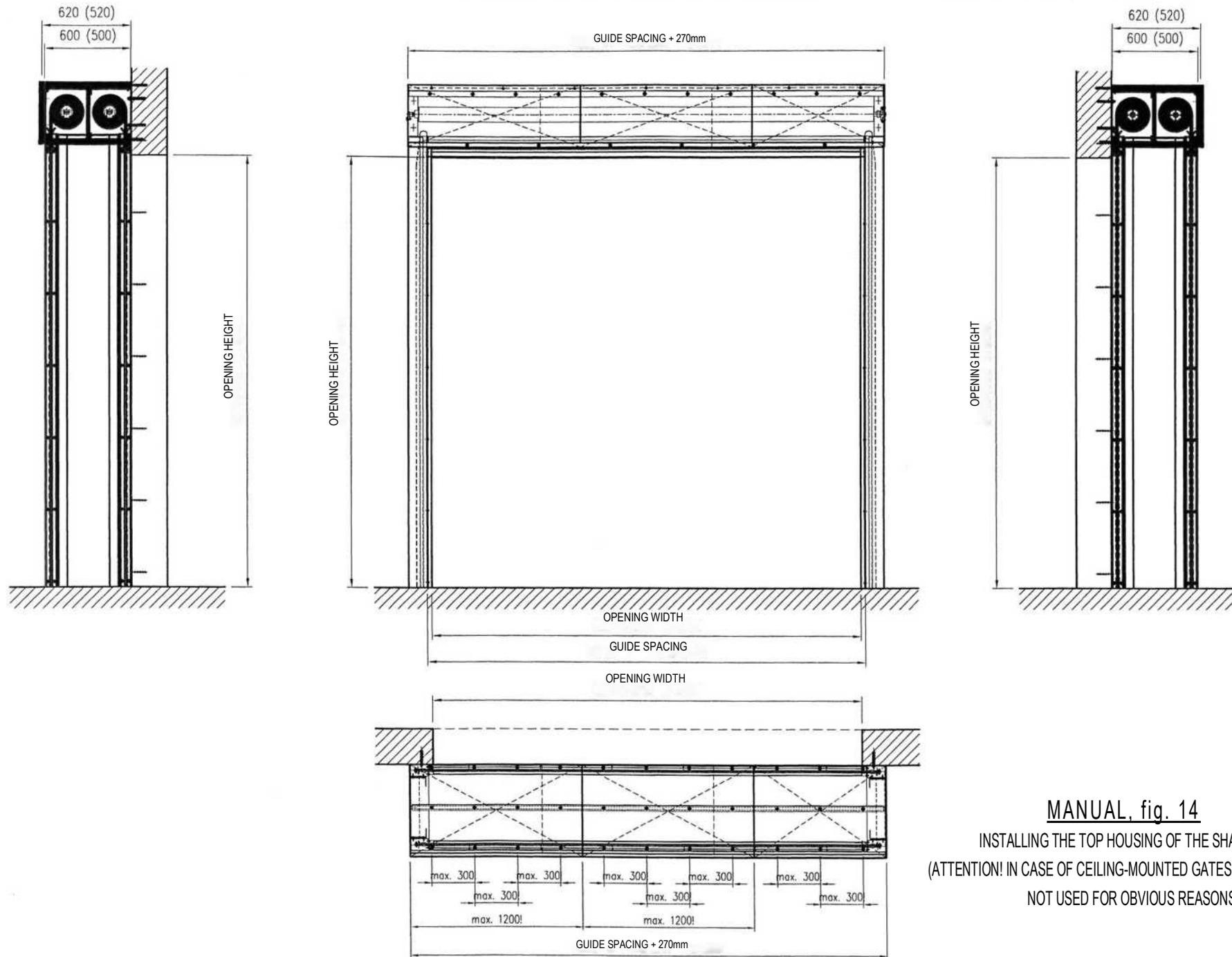
PANELS MUST BE MOUNTED TO PANELS WITH SCREWS AT INTERVALS OF max. 300mm. IN CASE OF INSTALLING TWO LAYERS OF PANELS, THE FIRST SHALL BE MOUNTED WITH 5.5X50mm SCREWS AND THE SECOND WITH 6.3X60mm SCREWS.



MANUAL, fig. 13

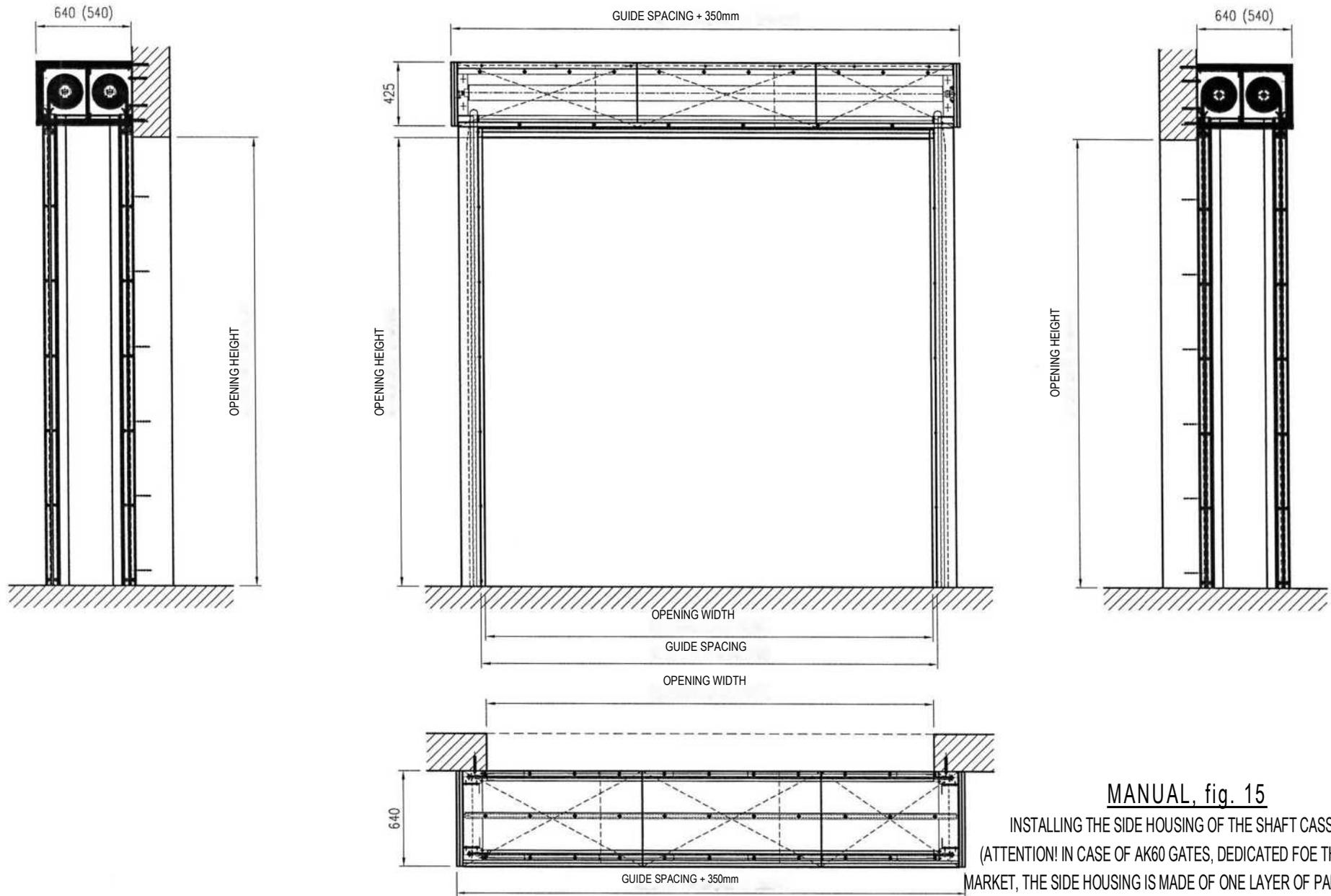
INSTALLING THE FRONT HOUSING OF THE SHAFT CASSETTE
 (ATTENTION! IN CASE OF GATES MOUNTED TO THE CEILING WITHOUT LINTEL, THE CASSETTE IS SYMMETRICAL - THE HOUSING IS IDENTICAL ON BOTH SIDES. FOR CEILING MOUNTING, PANELS OF DIFFERENT DIMENSIONS ARE USED.

PANELS MUST BE MOUNTED TO PANELS WITH SCREWS AT INTERVALS OF max. 300mm. IN CASE OF INSTALLING TWO LAYERS OF PANELS, THE FIRST SHALL BE MOUNTED WITH 5.5X50mm SCREWS AND THE SECOND WITH 6.3X60mm SCREWS.



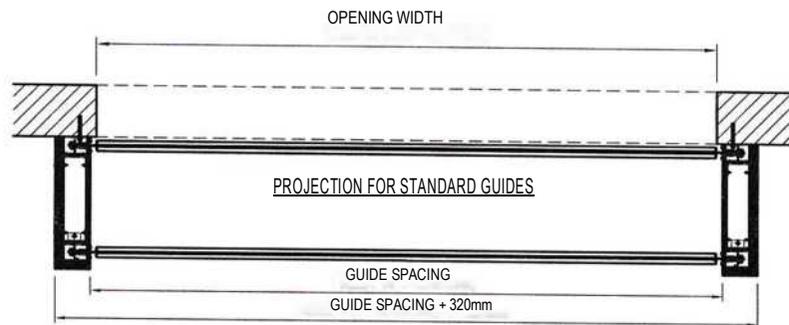
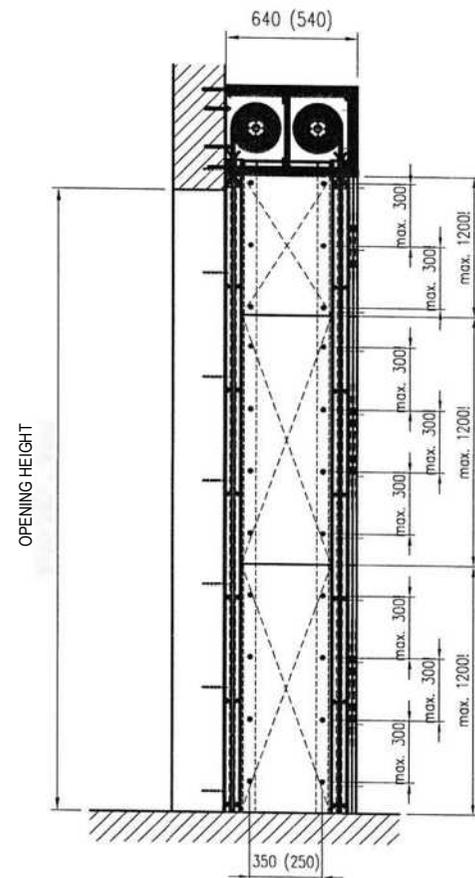
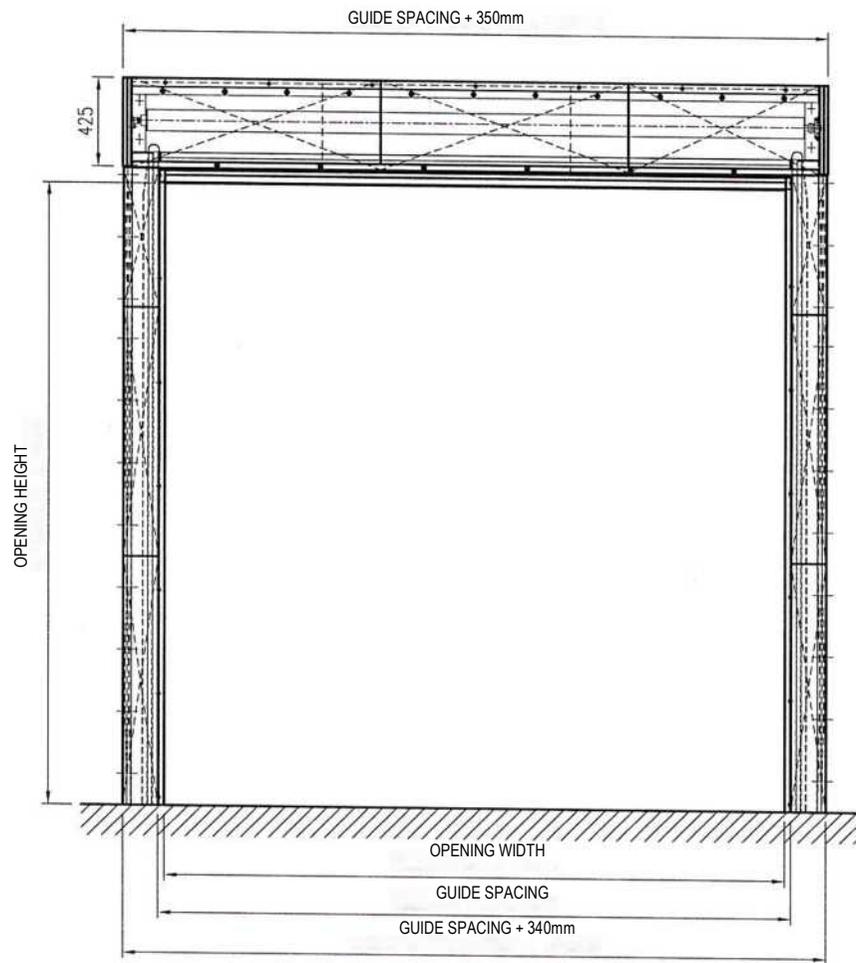
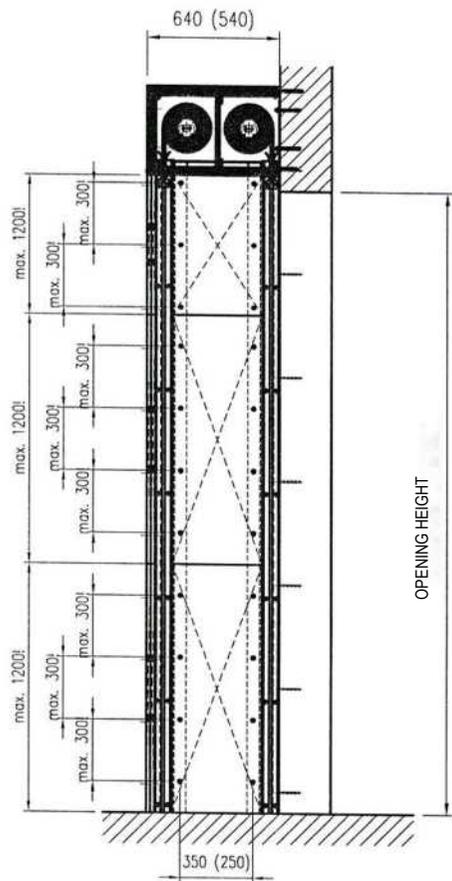
MANUAL, fig. 14

INSTALLING THE TOP HOUSING OF THE SHAFT CASSETTE
(ATTENTION! IN CASE OF CEILING-MOUNTED GATES, THIS HOUSING IS NOT USED FOR OBVIOUS REASONS.)



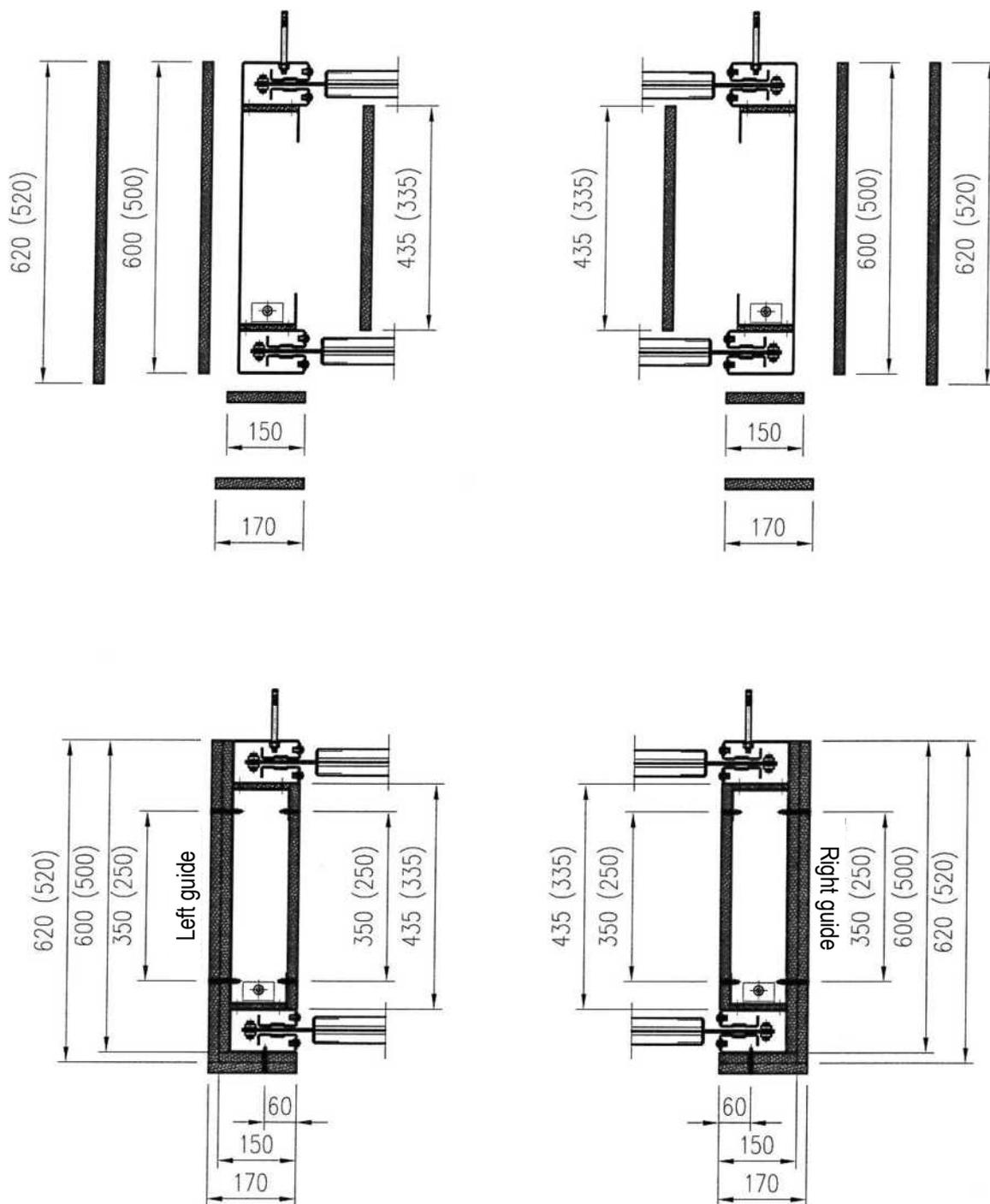
MANUAL, fig. 15

INSTALLING THE SIDE HOUSING OF THE SHAFT CASSETTE
 (ATTENTION! IN CASE OF AK60 GATES, DEDICATED FOR THE POLISH
 MARKET, THE SIDE HOUSING IS MADE OF ONE LAYER OF PANELS, AND IN
 ALL OTHER CASES OF TWO LAYERS OF PANELS)



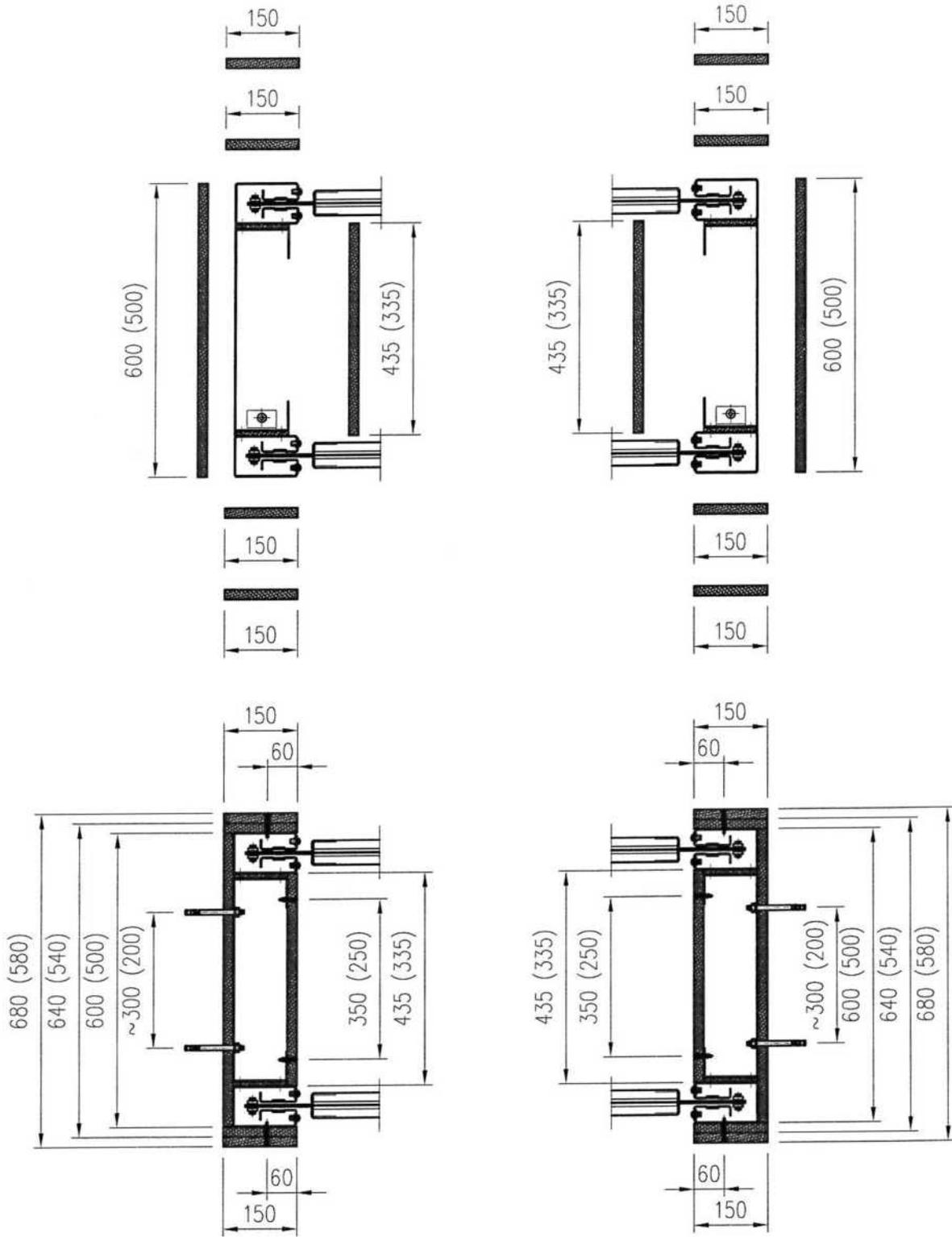
MANUAL, fig. 16

INSTALLING THE HOUSING OF AK GATE GUIDES
 (ATTENTION! IN CASE OF AK60 GATES, DEDICATED FOR THE POLISH MARKET, THE SIDE AND FRONT HOUSING IS MADE OF ONE LAYER OF PANELS, AND IN ALL OTHER CASES OF TWO LAYERS OF PANELS)



MANUAL, fig. 16a

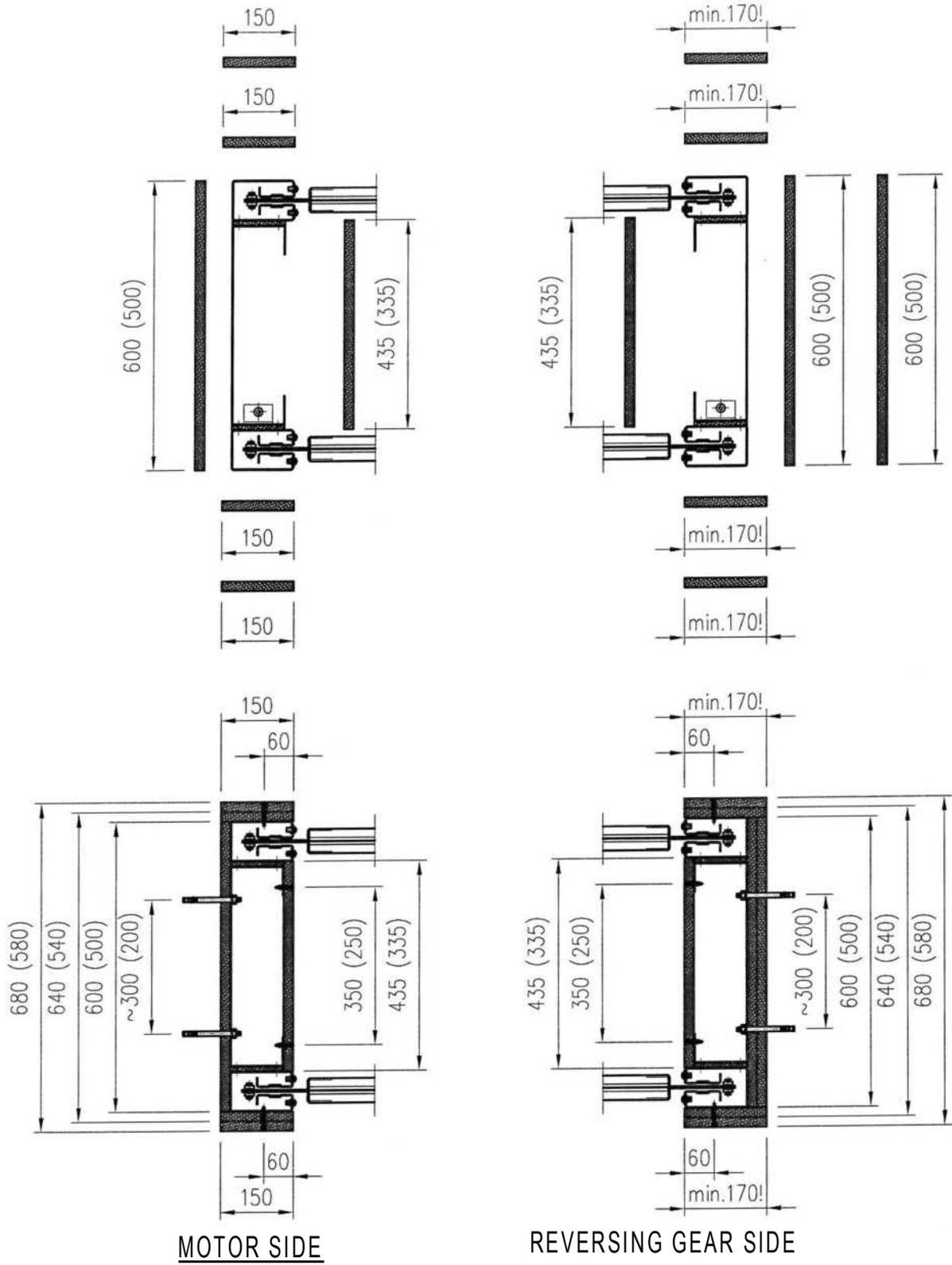
INSTALLING THE HOUSING OF AK FRONT-MOUNTED GATE GUIDES
 (ATTENTION! IN CASE OF AK60 GATES, DEDICATED FOR THE POLISH MARKET, THE SIDE AND FRONT HOUSING IS MADE OF ONE LAYER OF PANELS - THERE ARE NO 620(520) AND 170mm PANELS, AND IN ALL OTHER CASES OF TWO LAYERS OF PANELS)



MANUAL, fig. 16b

INSTALLING THE HOUSING OF GUIDES OF AK FRONT-MOUNTED GATES EQUIPPED WITH TWO MOTORS

(ATTENTION! IN CASE OF AK60 GATES, DEDICATED FOR THE POLISH MARKET, THE SIDE AND FRONT HOUSING IS MADE OF ONE LAYER OF PANELS - THERE ARE NO 620(520) AND 170mm PANELS, AND IN ALL OTHER CASES OF TWO LAYERS OF PANELS)

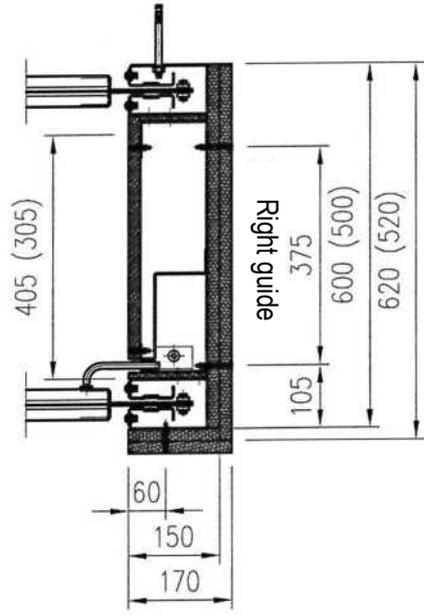
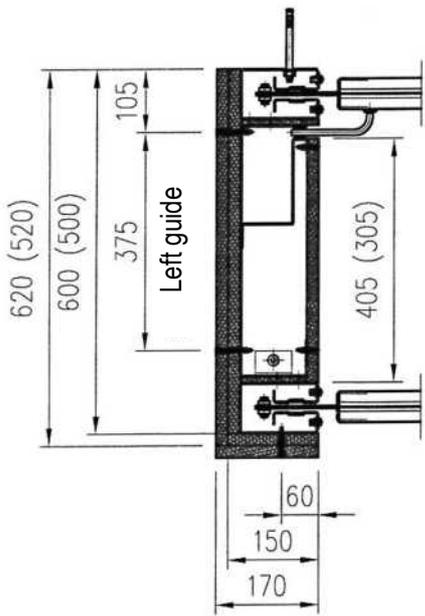
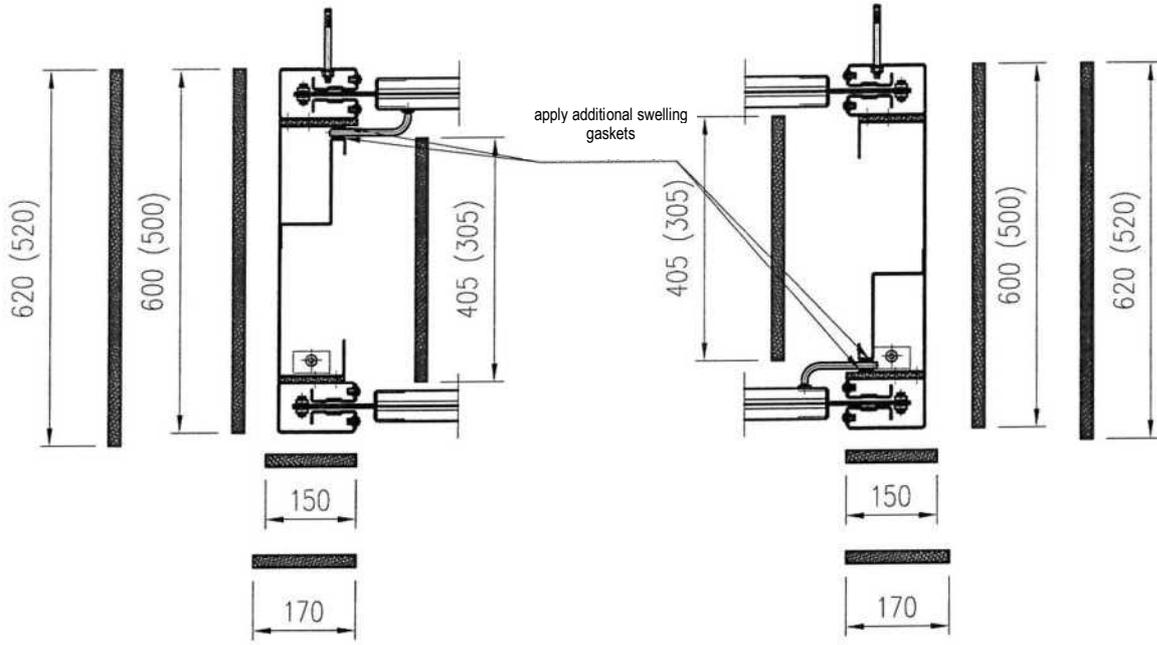


MOTOR SIDE

REVERSING GEAR SIDE

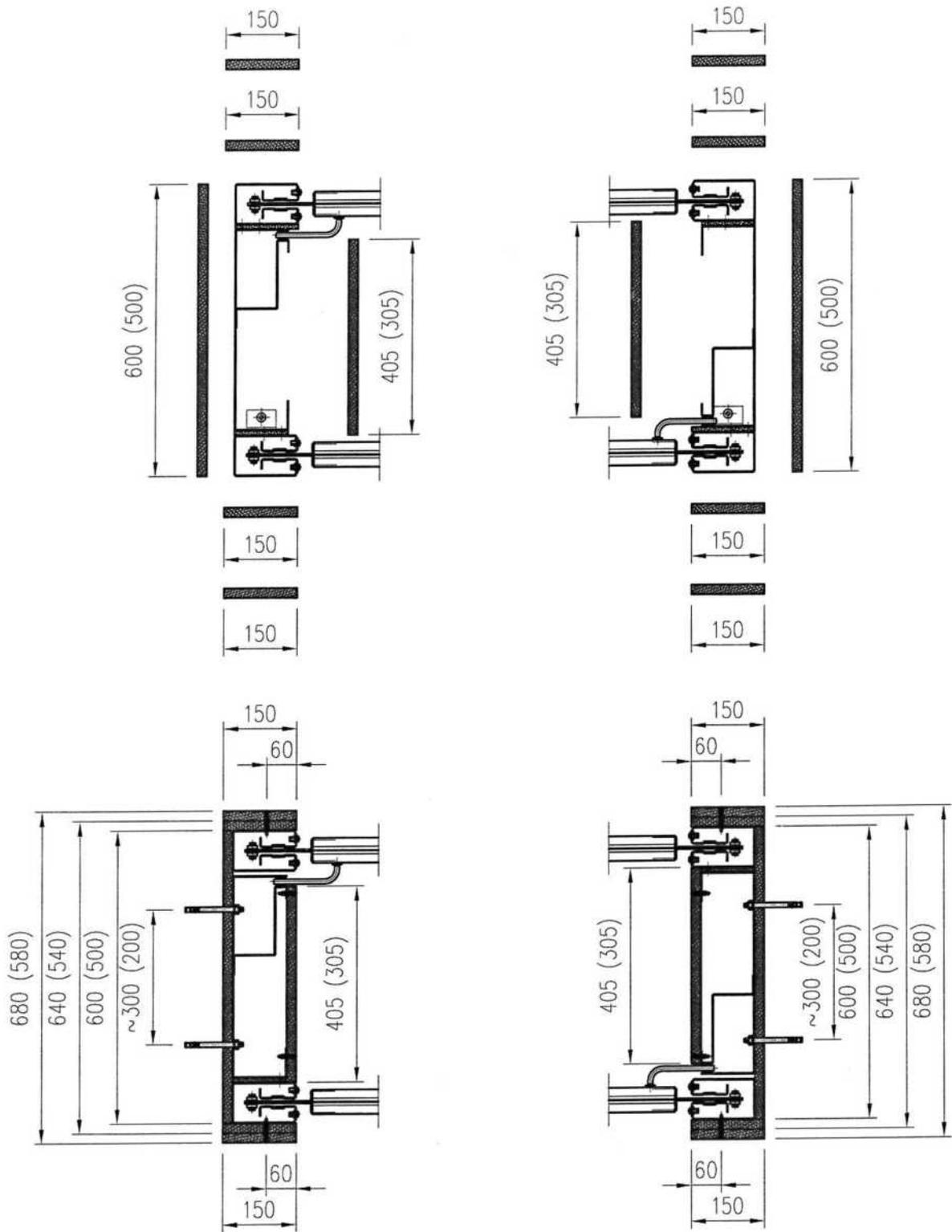
MANUAL, fig. 16c

INSTALLING THE HOUSING OF GUIDES OF AK FRONT-MOUNTED GATES EQUIPPED WITH ONE MOTOR
 (ATTENTION! IN CASE OF AK60 GATES, DEDICATED FOR THE POLISH MARKET, THE SIDE AND FRONT HOUSING IS MADE OF ONE LAYER OF PANELS - THERE ARE NO 620(520) AND 170mm PANELS, AND IN ALL OTHER CASES OF TWO LAYERS OF PANELS)



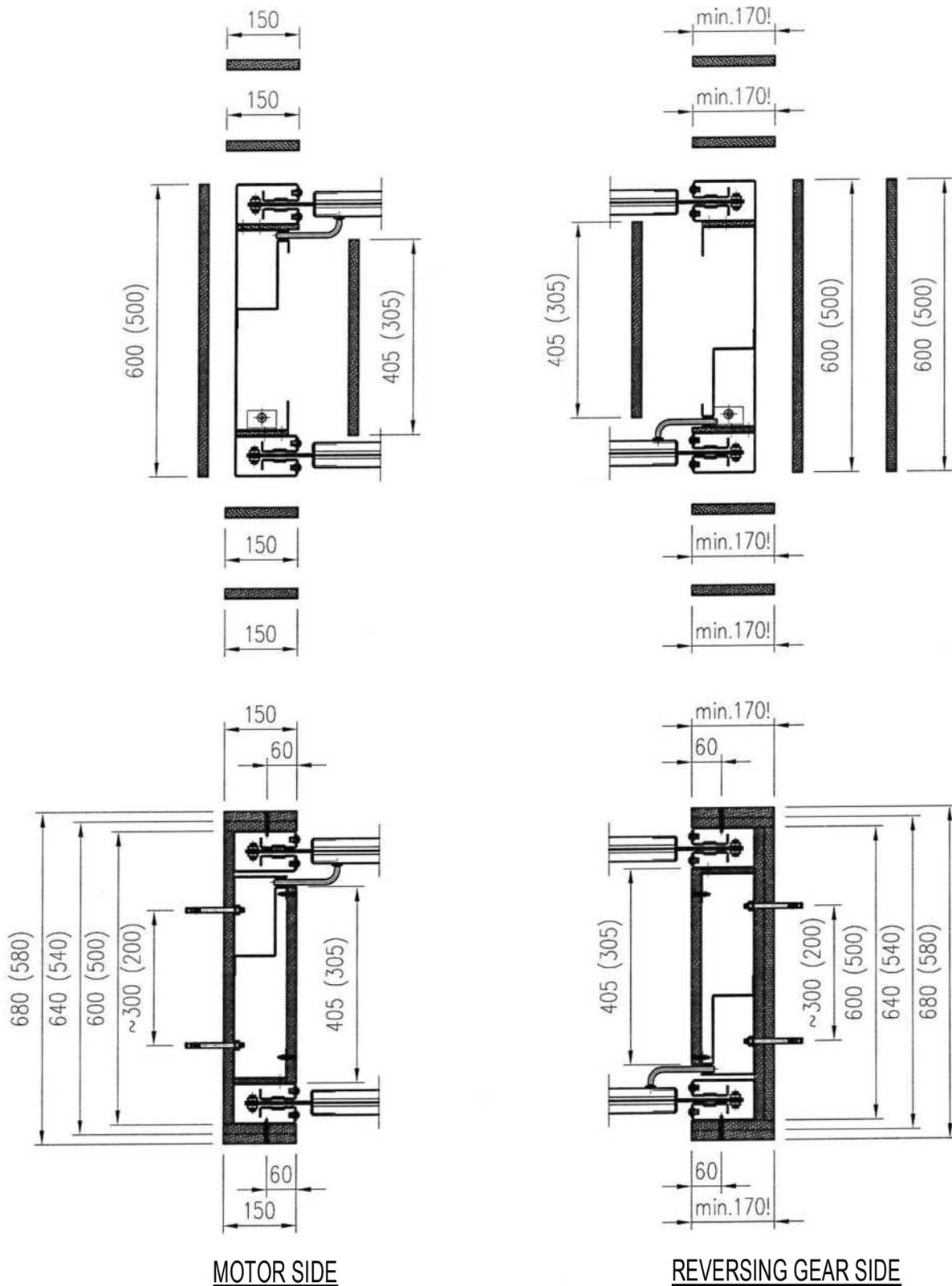
MANUAL, fig. 17a

INSTALLING THE HOUSING OF AK FRONT-MOUNTED GATE GUIDES



MANUAL, fig. 17b

INSTALLING THE HOUSING OF AK TUNNEL-MOUNTED GATE GUIDES (SIDE MOUNTING - GATES EQUIPPED WITH TWO TUBULAR MOTORS)



MANUAL, fig. 17c

INSTALLING THE HOUSING OF AK TUNNEL-MOUNTED GATE GUIDES (SIDE MOUNTING - GATES EQUIPPED WITH ONE TUBULAR MOTOR)