GW-HH350

Super heavy automatic sliding door system

Typical shop drawings: wall mounted track, frameless glass and aluminium framed doors

TECHNICAL DATA

Max. door weight (single)	**400 kg**
Max. door weight (double)	**350 kg per leaf**
Door leaf width	**500 - 2000 mm**
Opening speed	**100 - 550 mm/s (adjustable)**
Motor	**100 W with two-stage reduction box**
Power supply	**AC 100 - 240 V, 50 / 60 Hz**
Life cycle	**2 million cycles, approved by TÜV**
Certification	**CE**
Track section	**172.4 (W) x 141 (H) mm, roller channel 86 mm**
Brush strip	**30 mm**

DRAWING LIST

SD-01	Cover sheet, technical data and drawing list
SD-02	Track profile and component layout
SD-03	Section A: wall mounted, frameless glass door
SD-04	Section B: wall mounted, aluminium framed door
SD-05	Hanger (roller carriage) details and adjustment
SD-06	Elevations: single slide and bi-parting doors
SD-07	Plan views, fixing and installation notes



STANDARD COMPONENTS

- Track and cover (length optional)
- Controller (18 parameters + 3 DIP switches)
- Motor with two-stage reduction box
- Power switch
- 2-in-1 sensor (IS02)
- Photocell
- Function remotes
- Belt
- Pulley
- Hangers
- Stoppers
- Belt connectors
- Screws
- Frameless doors: glass clamps bought separately

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TYPICAL SHOP DRAWINGS (STANDARD SET)

GENERAL NOTES

1. These are typical drawings for the standard GW-HH350. Project sizes are added per site.
2. All dimensions in mm. Verify all openings, levels and wall conditions on site before fabrication.
3. Wall / lintel to be structurally adequate to carry door weight plus operator. Fixing design by others if wall is lightweight.
4. Glass: fully tempered safety glass to MS 1135 / EN 12150. Thickness per section.
5. 230 V power point (fused spur) within 1 m of the operator end, by electrician.
6. Safety sensors per EN 16005; GW-HH350 is compatible with all GeWalt accessories.
7. Finishes: track and cover powder coated or anodised, colour to architect's selection.

DRAWING TITLE

Cover sheet, technical data and drawing list

SCALE	DATE	REV
NTS	**10 NOV 2026**	**3**

DRAWING NO.

SD-01

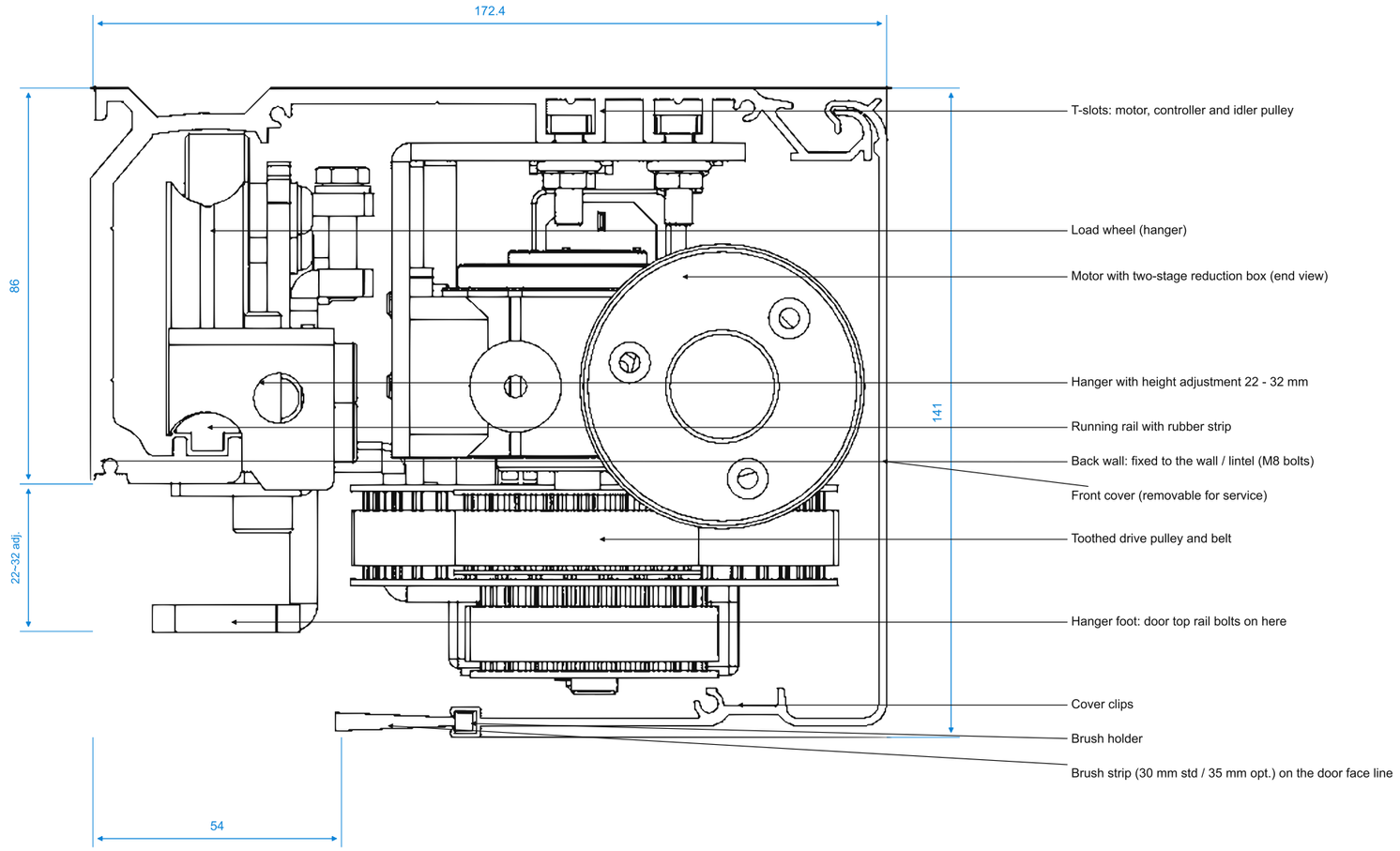
DRAWN / CHECKED

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All dimensions in mm unless stated. Do not scale. Verify on site.

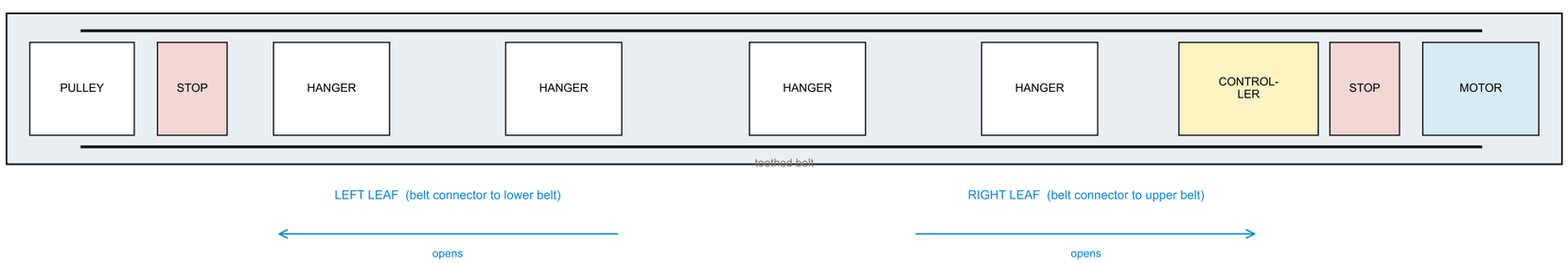
1 TRACK SECTION WITH HANGER AND DRIVE (END VIEW)

SCALE 1:1.25 (A3) - GW-HH350 track with motor and drive



2 COMPONENT LAYOUT IN TRACK (FRONT COVER REMOVED)

NTS - bi-parting shown



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TYPICAL SHOP DRAWINGS (STANDARD SET)

NOTES

1. Track and cover per catalogue: 172.4 x 141 mm, roller channel 86 mm.
2. Track, cover, hanger, motor and drive traced from the manufacturer's GW-HH350 section drawing.
3. The brush is horizontal and seals against the door face 54 mm from the back of track.
4. Motor and controller positions may be swapped to suit the power point side.
5. Single slide: one leaf, belt connector on one belt run, pulley at the closing end.
6. Stoppers set at the fully open and fully closed positions of each leaf.
7. Idler pulley in groove 2 only, in line with the motor pulley (manual, page 8).
8. Belt length: see the manual's belt length table, e.g. leaf width 1000 mm = belt 6200 - 6300 mm.

DRAWING TITLE

Track profile and component layout

SCALE	DATE	REV
1:1.25 / NTS	10 NOV 2026	3

DRAWING NO. **SD-02**

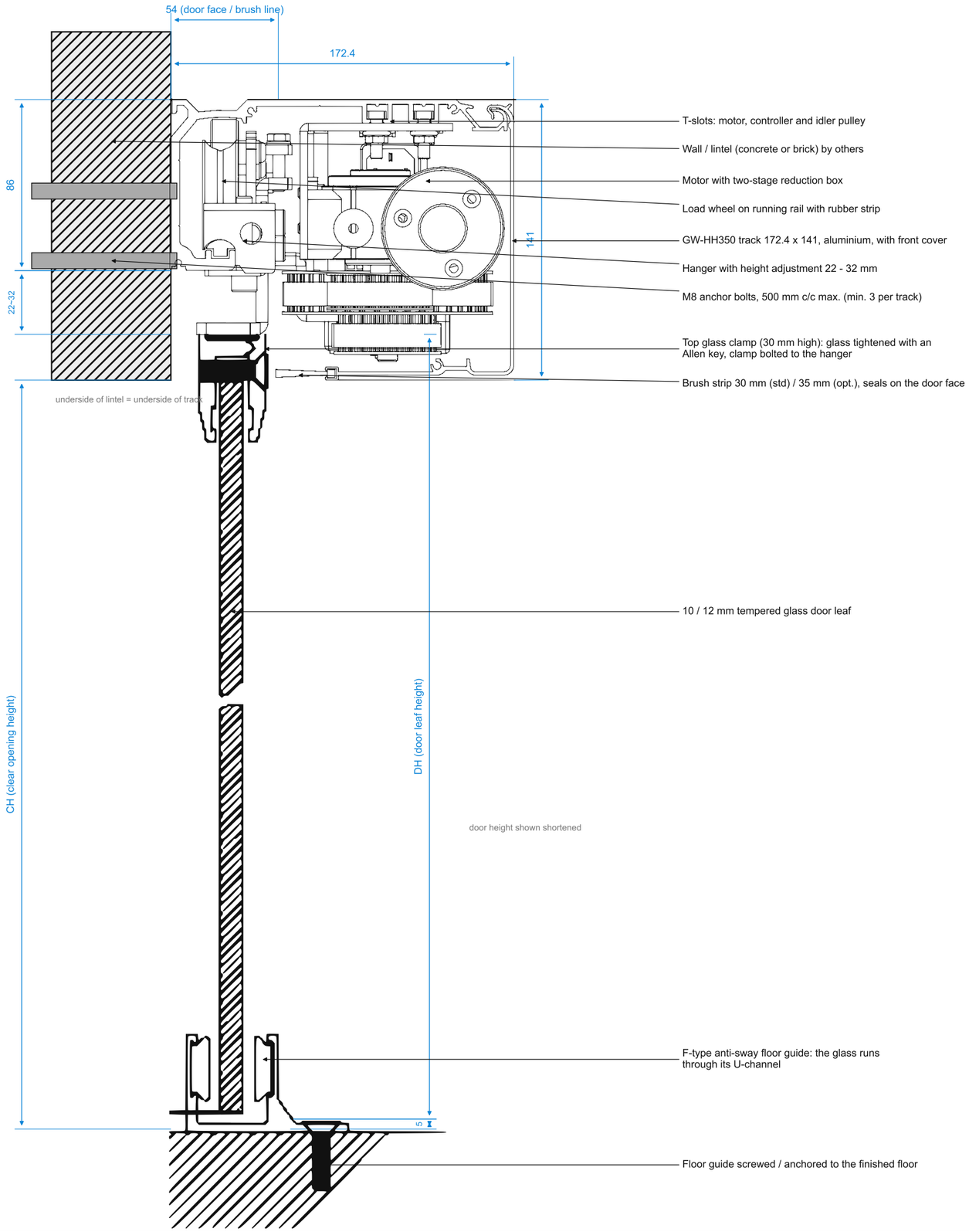
DRAWN / CHECKED EBCOTECH / -

All dimensions in mm unless stated. Do not scale. Verify on site.

A

SECTION A - FRAMELESS GLASS DOOR

SCALE 1:2.4 (A3), door height shortened



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TYPICAL SHOP DRAWINGS (STANDARD SET)

NOTES

1. Door hardware per the GeWalt glass door detail: top glass clamp and F-type anti-sway floor guide; no bottom rail.
2. Door face on the brush line, 54 mm from the wall face.
3. Glass: 10 mm (leaf width up to 1000 mm) or 12 mm (above 1000 mm / heavier leaves).
4. Floor clearance 5 mm. Finished floor level within +/- 2 mm over the door travel.
5. Fix the floor guide at the closed-door side of the opening, in line with the glass.

DRAWING TITLE

Section A: wall mounted track, frameless glass door

SCALE	DATE	REV
1:2.4 (A3)	10 NOV 2026	3

DRAWING NO.

SD-03

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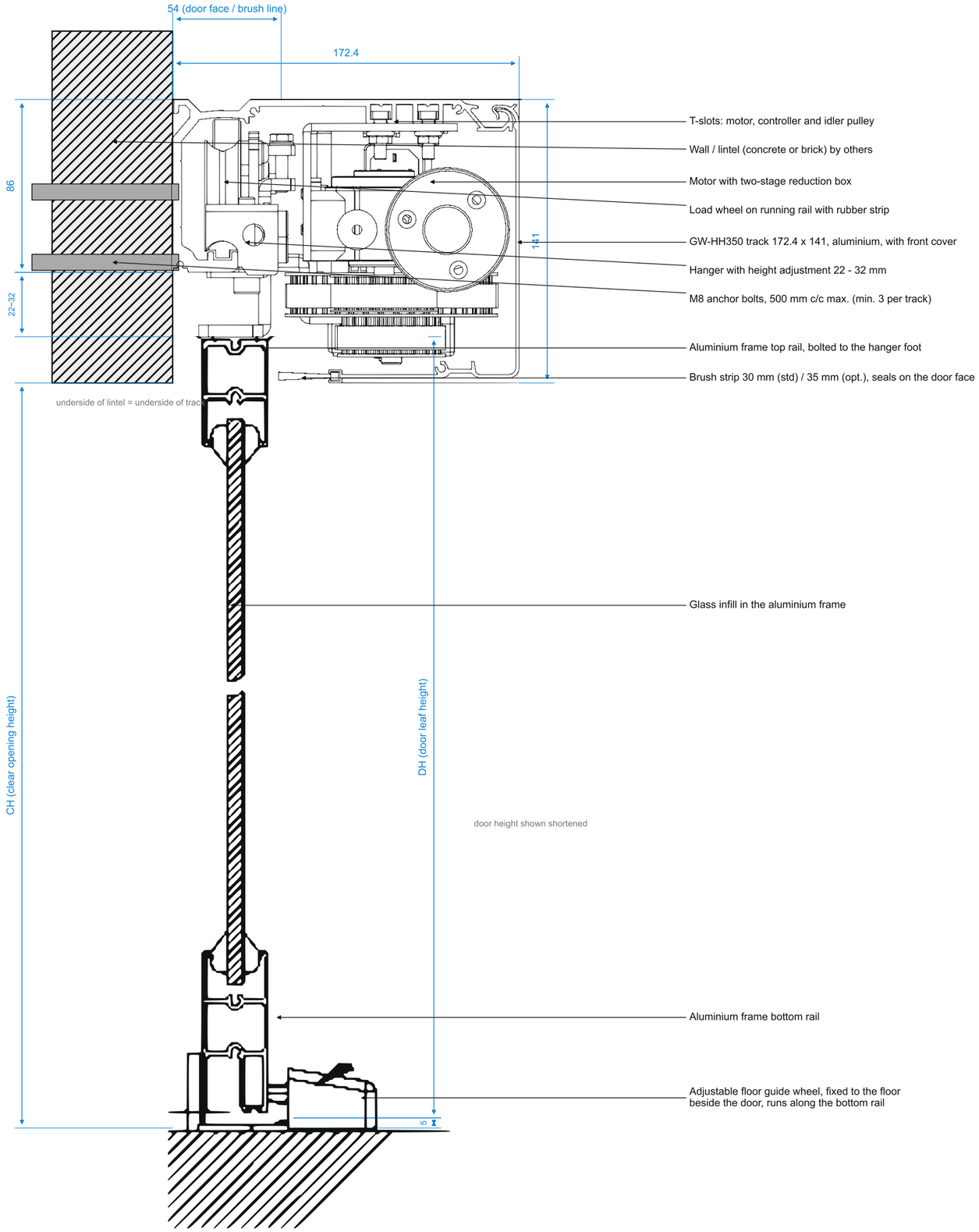
EBCOTECH / -

All dimensions in mm unless stated. Do not scale. Verify on site.

B

SECTION B - ALUMINIUM FRAMED GLASS DOOR

SCALE 1:2.4 (A3), door height shortened



door height shown shortened

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TYPICAL SHOP DRAWINGS (STANDARD SET)

NOTES

1. Door hardware per the GeWalt framed door detail: Allen bolt in the frame top rail and adjustable floor guide wheel.

2. Frame sections are typical; use the door maker's profiles with the door face on the brush line, 54 mm from the wall face.

3. Leaf weight incl. frame and glass must not exceed 400 kg (single) / 350 kg (per leaf, bi-parting).

4. Floor clearance 5 mm. Finished floor level within +/- 2 mm over the door travel.

DRAWING TITLE

Section B: wall mounted track, aluminium framed glass door

SCALE	DATE	REV
1:2.4 (A3)	10 NOV 2026	3

DRAWING NO.

SD-04

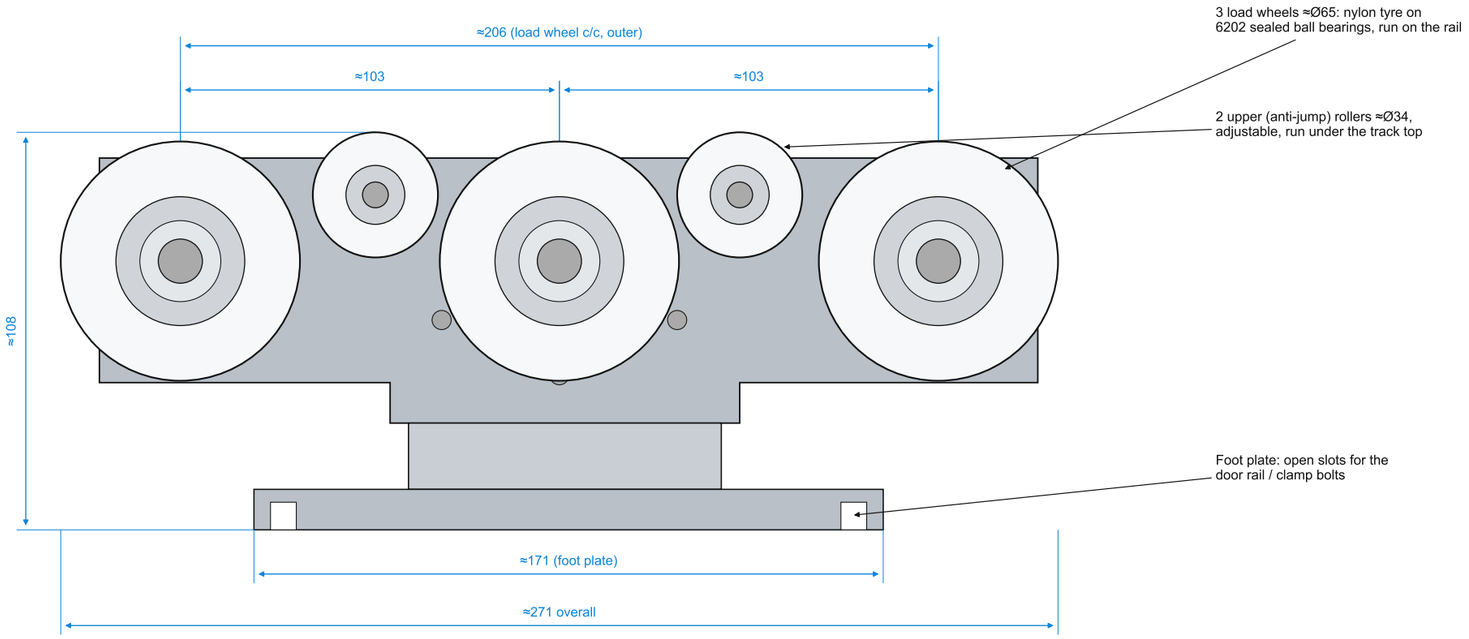
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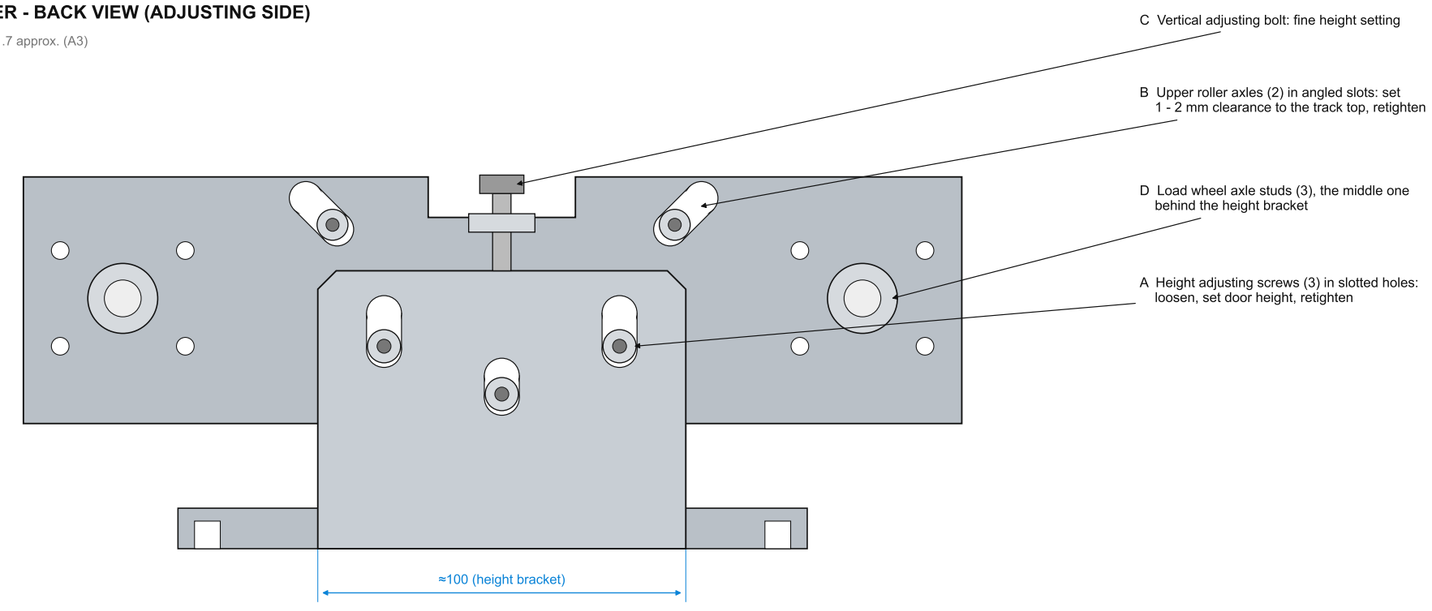
1 HANGER - FRONT VIEW (WHEEL SIDE)

SCALE 1:1.7 approx. (A3)



2 HANGER - BACK VIEW (ADJUSTING SIDE)

SCALE 1:1.7 approx. (A3)



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TYPICAL SHOP DRAWINGS (STANDARD SET)

NOTES

1. GW-HH350 hanger: 3 load wheels carry the door; 2 upper rollers stop it lifting off the rail.
2. Two hangers per leaf, each 160 mm in from the leaf edge.
3. Wheels and rollers: nylon tyres on sealed ball bearings, run on the rubber-capped rail for low noise.
4. Door height is set with the slotted screws (A) and fine-tuned with the bolt (C).
5. Sizes marked ≈ are measured from the sample and are for reference only.
6. After setting, check the door runs freely and the brush lightly touches the door rail.

DRAWING TITLE

Hanger (roller carriage) details and adjustment

SCALE	DATE	REV
1:1.7 approx.	10 NOV 2026	3

DRAWING NO.

SD-05

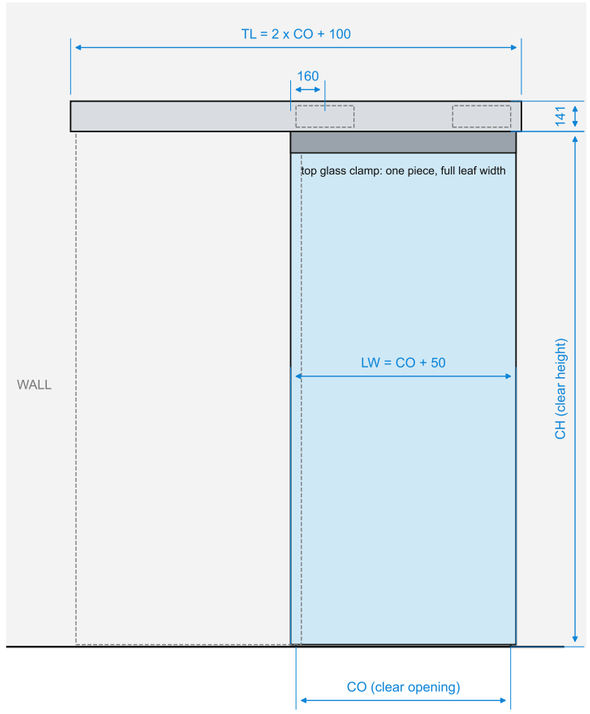
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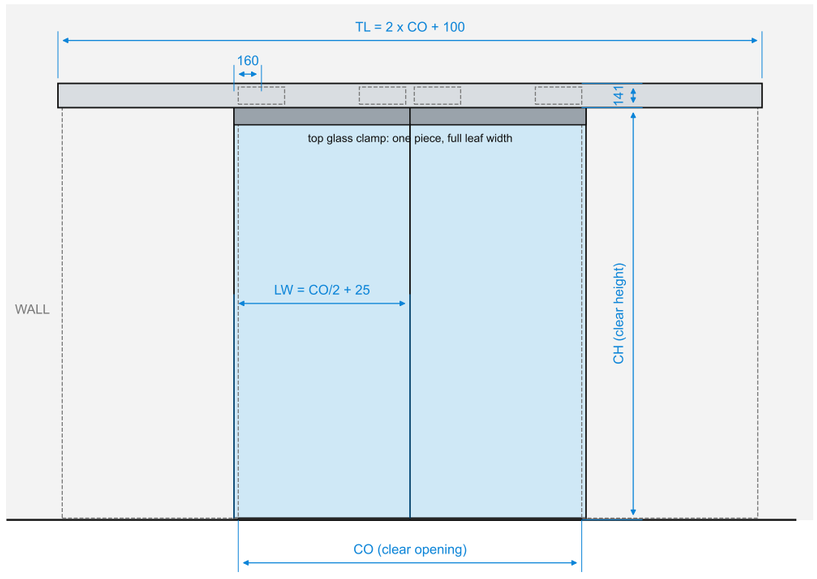
1 SINGLE SLIDE (ONE LEAF) - FRONT ELEVATION

NTS - shown CO 1000, CH 2400



2 BI-PARTING (TWO LEAVES) - FRONT ELEVATION

NTS - shown CO 2000, CH 2400



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TYPICAL SHOP DRAWINGS (STANDARD SET)

SIZING (TYPICAL)

CO = clear opening width

CH = clear opening height

LW = leaf width

TL = track length

Single slide:

LW = CO + 50 (25 overlap each side)

TL = 2 x CO + 100

Bi-parting:

LW = CO / 2 + 25 (each leaf)

TL = 2 x CO + 100

Underside of track = CH (flush with the opening head); track top = CH + 141.

Leaf height DH = approx. CH + 10 (5 mm floor clearance; fine-tuned +/- 5 mm with the hanger adjustment).

Top glass clamp: one piece per leaf, the full width of the leaf.

Hangers (inside the track, dashed): 2 per leaf, 160 mm from each leaf edge.

Wall space beside opening: CO + 50 clear (single, on the open side) or CO/2 + 50 each side (bi-parting).

Leaf width range 500 - 2000 mm.

DRAWING TITLE

Elevations: single slide and bi-parting doors

SCALE	DATE	REV
NTS	**10 NOV 2026**	**3**

DRAWING NO.

SD-06

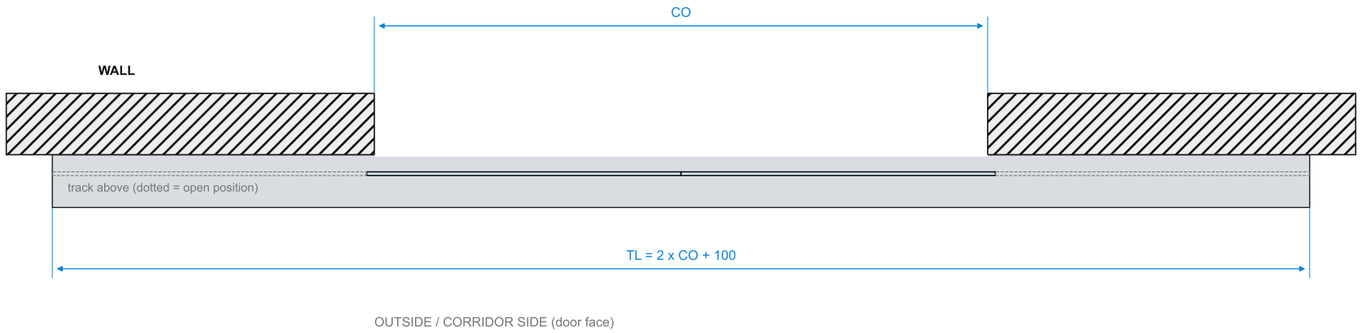
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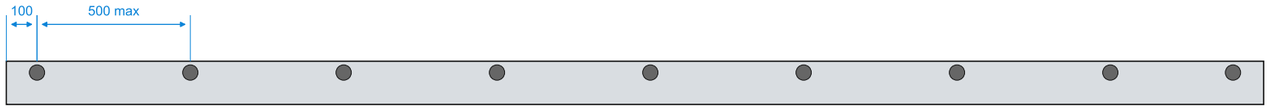
1 PLAN - BI-PARTING, WALL MOUNTED

NTS



2 FIXING LAYOUT ON WALL (ELEVATION OF TRACK)

NTS



M8 anchors in wall fixing groove: 100 mm from each end, 500 mm c/c max.

3 INSTALLATION SEQUENCE

1. Check opening size, wall plumb and floor level; mark the door centre line and track top level.
2. Fix the track level (+/- 1 mm per 2 m) with M8 anchors at max. 500 mm c/c.
3. Install motor, pulley and controller in the T-slots; fit the belt and tension it.
4. Hang the leaves on the hangers; adjust height and anti-jump rollers (SD-05).
5. Fit belt connectors to the leaves (left leaf lower belt, right leaf upper belt for bi-parting).
6. Fix the floor guide; set the stoppers at the fully open and fully closed positions.
7. Connect power and sensors; run the self-learning cycle; set speed, hold-open time and partial open.
8. Test safety: obstruction reversal, sensor coverage, emergency stop; fit brush, cover and end caps.
9. Hand over the function remote and explain the working modes to the user.

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TYPICAL SHOP DRAWINGS (STANDARD SET)

SITE REQUIREMENTS

1. Clear wall face above the opening for the full track length TL, height 141 mm.
2. Solid fixing (concrete, brick or steel) at the track fixing level. Lightweight walls need a steel or timber header by others.
3. 230 V fused spur at the motor end, within 1 m of the track end.
4. Floor finished and level before the floor guide is fixed.
5. For outdoor use, provide a canopy or rain cover over the track.

DRAWING TITLE

Plan views, fixing and installation notes

SCALE	DATE	REV
NTS	10 NOV 2026	3

DRAWING NO. **SD-07**

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