GW-HH150 Premium

Automatic sliding door system (model HH130)

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

TECHNICAL DATA

Max. door weight (single)	**160 kg**
Max. door weight (double)	**2 x 140 kg**
Door leaf width	**Single 500 - 3000 mm / double 500 - 2000 mm**
Opening / closing speed	**10 - 50 cm/s (adjustable)**
Hold-open time	**0 - 20 s (adjustable)**
Motor	**24 V 75/100 W brushless DC, 2300 rpm**
Power supply	**AC 100 - 240 V, 50 / 60 Hz**
Noise	**Less than 45 dBA**
Operating temperature	**-10 °C to 70 °C**
Track	**Top 102 mm, 128 mm high; front cover 204 mm (glass) / 154 mm (aluminium)**

DRAWING LIST

SD-01	Cover sheet, technical data and drawing list
SD-02	Section 1: aluminium framed glass door
SD-03	Section 2: frameless glass door
SD-04	Elevations: single slide and bi-parting doors
SD-05	Fixing, installation and commissioning notes



CONTROLLER (PREMIUM)

- Premium controller: LED display, 18 parameters + 3 DIP switches
- Memory work cycle with travel distance memory
- Partial open 20% - 90% adjustable
- 5 modes: auto / full open / half open / lock / exit only
- Emergency stop for breakout door
- Fail-safe / fail-secure lock mode
- Adjustable work times
- Backup battery set and fire relay included

EBCOTECH MACHINERY SDN BHD

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Automatic door systems | Glass hardware

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TYPICAL SHOP DRAWINGS (STANDARD SET)

GENERAL NOTES

1. Typical drawings for the standard GW-HH150 Premium. Project sizes are added per site.
2. All dimensions in mm. Verify openings, levels and wall conditions on site.
3. Sections traced from the GeWalt HH150 technical drawing; door height shortened.
4. Wall / lintel to carry the door weight plus the operator; lightweight walls need a steel or timber header by others.
5. 230 V power point within 1 m of the motor end of the track, by the client.
6. Glass: fully tempered safety glass.

DRAWING TITLE

Cover sheet, technical data and drawing list

SCALE	DATE	REV
NTS	**06 NOV 2026**	**10**

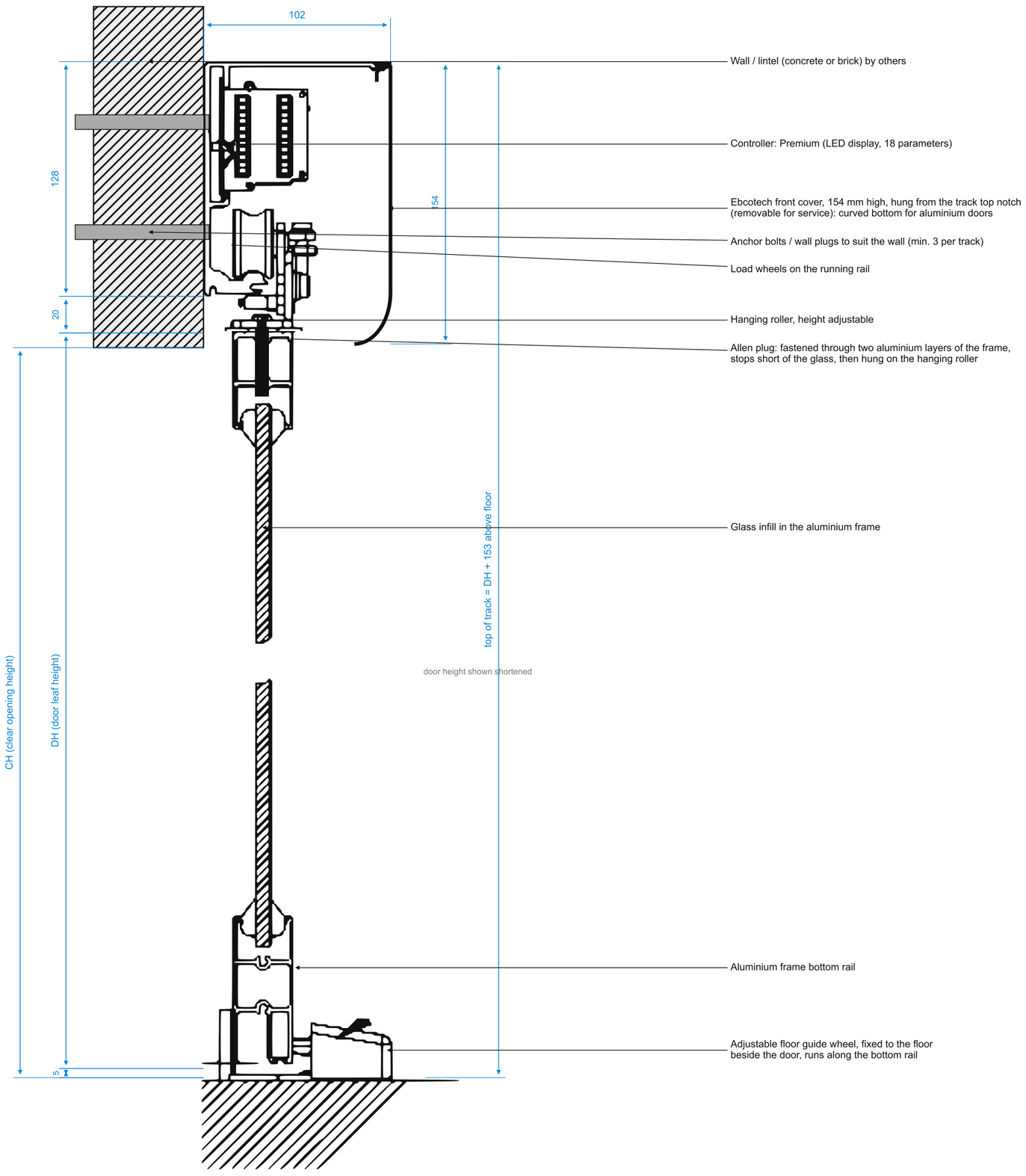
DRAWING NO. **SD-01**

DRAWN / CHECKED EBCOTECH / -

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

1 SECTION 1 - ALUMINIUM FRAMED GLASS DOOR

SCALE 1:2.5 (A3), door height shortened



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NOTES

Opening head level with the top of the frame: the wall hides the ironmongery from its side.

1. Allen plugs fasten through two aluminium layers of the frame and hang on the hanging rollers; adjust the door height at the roller.

   Check plug length: it must not reach the glass panel below.

2. Adjustable floor guide wheel keeps the leaf in line; fix it to the finished floor.

3. Floor clearance 5 mm; finished floor level within +/- 2 mm over the door travel.

4. Frame sections are typical; use the door maker's profiles.

5. Leaf weight incl. frame and glass max. 160 kg (single) / 140 kg per leaf (double).

DRAWING TITLE

Section 1: wall mounted track, aluminium framed glass door

SCALE	DATE	REV
1:2.5 (A3)	06 NOV 2026	10

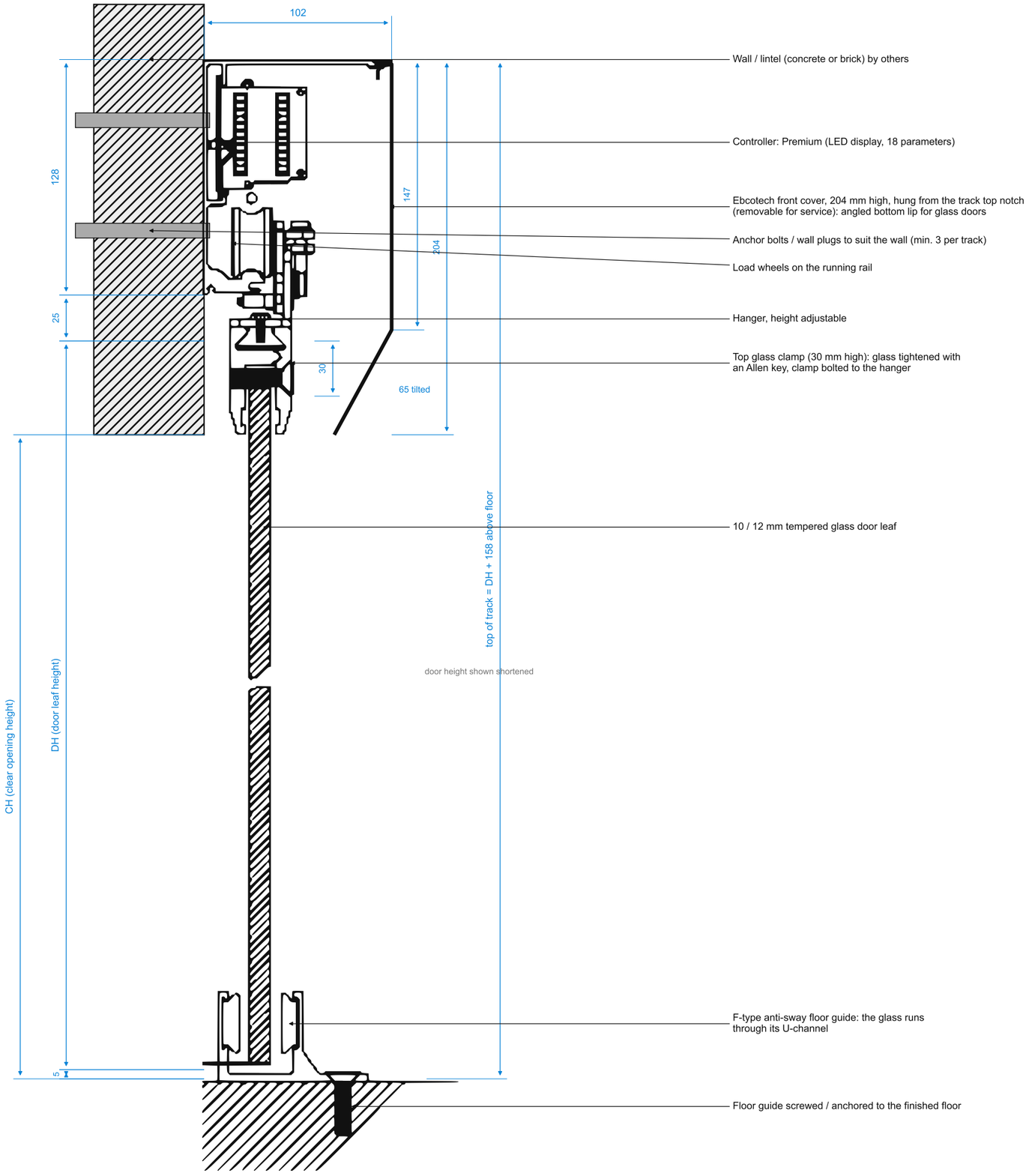
DRAWING NO. **SD-02**

DRAWN / CHECKED EBCOTECH / -

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

2 SECTION 2 - FRAMELESS GLASS DOOR

SCALE 1:2.5 (A3), door height shortened



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TYPICAL SHOP DRAWINGS (STANDARD SET)

NOTES

Opening head level with the bottom of the glass clamp; the cover tilt reaches the same level, so the clamp is hidden from both sides.

1. Frameless glass: top glass clamp and F-type anti-sway floor guide; no bottom rail.
2. Fix the floor guide at the closed-door side of the opening, in line with the glass.
3. Floor clearance 5 mm; finished floor level within +/- 2 mm over the door travel.
4. Glass: 10 mm (leaf width up to 1000 mm) or 12 mm (wider or heavier leaves).

DRAWING TITLE

Section 2: wall mounted track, frameless glass door

SCALE	DATE	REV
1:2.5 (A3)	06 NOV 2026	10

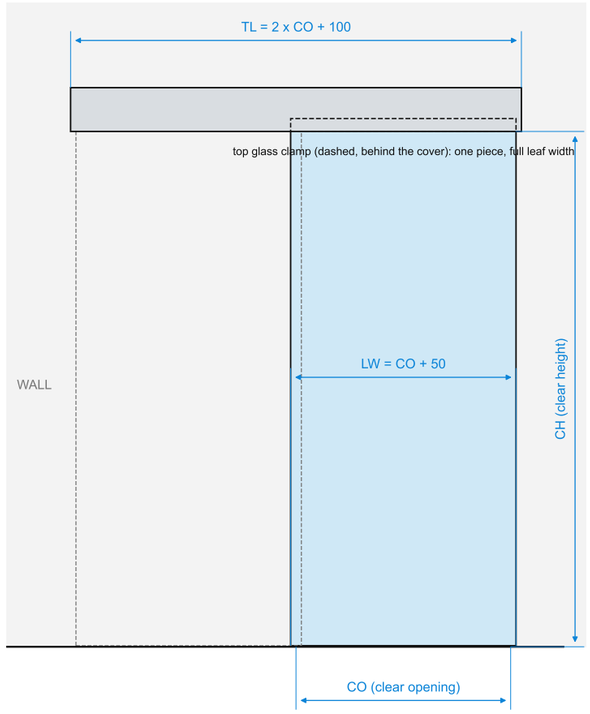
DRAWING NO. **SD-03**

DRAWN / CHECKED EBCOTECH / -

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

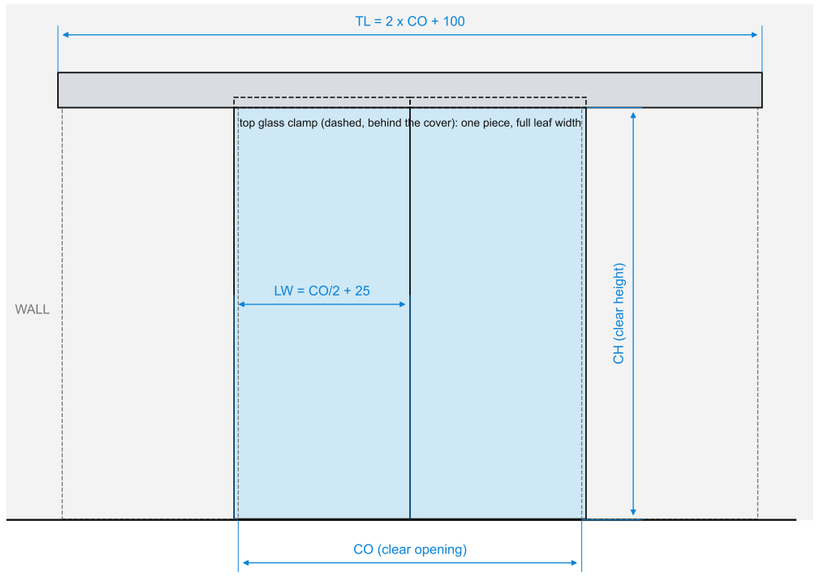
1 SINGLE SLIDE (ONE LEAF) - FRONT ELEVATION

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 height

LW = leaf width, TL = track length

Single slide: LW = CO + 50, TL = 2 x CO + 100

Bi-parting: LW = CO / 2 + 25 each,

TL = 2 x CO + 100

Door leaf height, 5 mm floor clearance:
DH = CH + 3 (aluminium), CH + 46 (glass).

Top of track above floor: DH + 153 (aluminium),
DH + 158 (glass); CH + 156 (aluminium),
CH + 204 (glass).

Frameless glass: one-piece top glass clamp,
the full width of each leaf.

Leaf width: single 500 - 3000 mm,
double 500 - 2000 mm per leaf.

Max. leaf weight: 160 kg single,
140 kg per leaf double.

DRAWING TITLE

Elevations: single slide and bi-parting doors

SCALE	DATE	REV
NTS	06 NOV 2026	10

DRAWING NO. SD-04

DRAWN / CHECKED EBCOTECH / -

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

1 TRACK FIXING TO THE WALL

Reinforced concrete beam / cement wall	M8 expansion (sleeve or wedge) anchors
Solid brick or stone	Chemical anchors, or heavy-duty wall plugs with screws
Hollow brick or block	Chemical anchors with mesh sleeves
Steel beam or frame	Bolts through the steel, or self-drilling screws
Gypsum / drywall partition, timber	Not acceptable alone: steel or timber header fixed to the structure

Fixings approx. 100 mm from each track end and at max. 500 mm centres, min. 3 per track.

2 INSTALLATION SEQUENCE

1. Inspect the site: opening size, door path free of obstacles, power point in place.
2. Check the wall structure and choose the fixings (table above).
3. Set out with a laser level: track line horizontal; check the floor level along the door path.
4. Fix the track; install the motor, controller, idler pulley, belt and stoppers.
5. Framed door: fasten the Allen plugs directly to the frame and hang them on the hanging rollers.

   Frameless glass: fit the glass in the top clamps, tighten with an Allen key, bolt the clamps to the hangers.
6. Hang the leaves, adjust the height, fit the floor guide wheel or F-type floor guide.
7. Connect power and accessories, run the self-learning cycle, pair remotes.
8. Fit the side covers and front cover.
9. Test and commission; record the results and send them to the Ebcotech in-house group.

3 COMMISSIONING CHECKS

- [ ] Door runs freely by hand, no rubbing on the floor guide
- [ ] Opens and closes fully; stops at the stoppers
- [ ] Speeds and hold-open time set to suit the site
- [ ] Sensors cover the full opening, no blind spots
- [ ] Door reverses on an obstruction while closing
- [ ] All modes work (auto / full open / half open / lock / exit only)
- [ ] Remotes and accessories paired and working

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SITE REQUIREMENTS (BY CLIENT)

1. Solid wall / lintel above the opening for the full track length.
2. 230 V fused spur within 1 m of the motor end of the track.
3. Finished, level floor before the floor guide is fixed.
4. Excluded: wiring, hacking, partition works, wall and floor finishes.
5. Scaffolding for high openings by the client.

DRAWING TITLE

Fixing, installation and commissioning notes

SCALE	DATE	REV
NTS	06 NOV 2026	10

DRAWING NO. **SD-05**

DRAWN / CHECKED EBCOTECH / -

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