

WellSafe™ Installation Guide

WellSafe™ Technical Specifications

- **Infill Grilles:** 30mm deep heavy duty GRP open mesh with gritted non-slip finish to the top. 4 No insert panels per frame - with a ladder flap at one end
- **Frame Profile:** Purpose designed extruded aluminium section - 130mm wide x 70mm deep frame
- **Overall Dimensions:** 3015mm (L) x 1400mm (W)
- **Max Load Capacity:** 2kN/m² area load or 1.5kN concentrated anywhere on the unit
- **Frame Design Methodology:** EN 1999-1 ('Eurocode 9 – Design of Aluminium Structures')

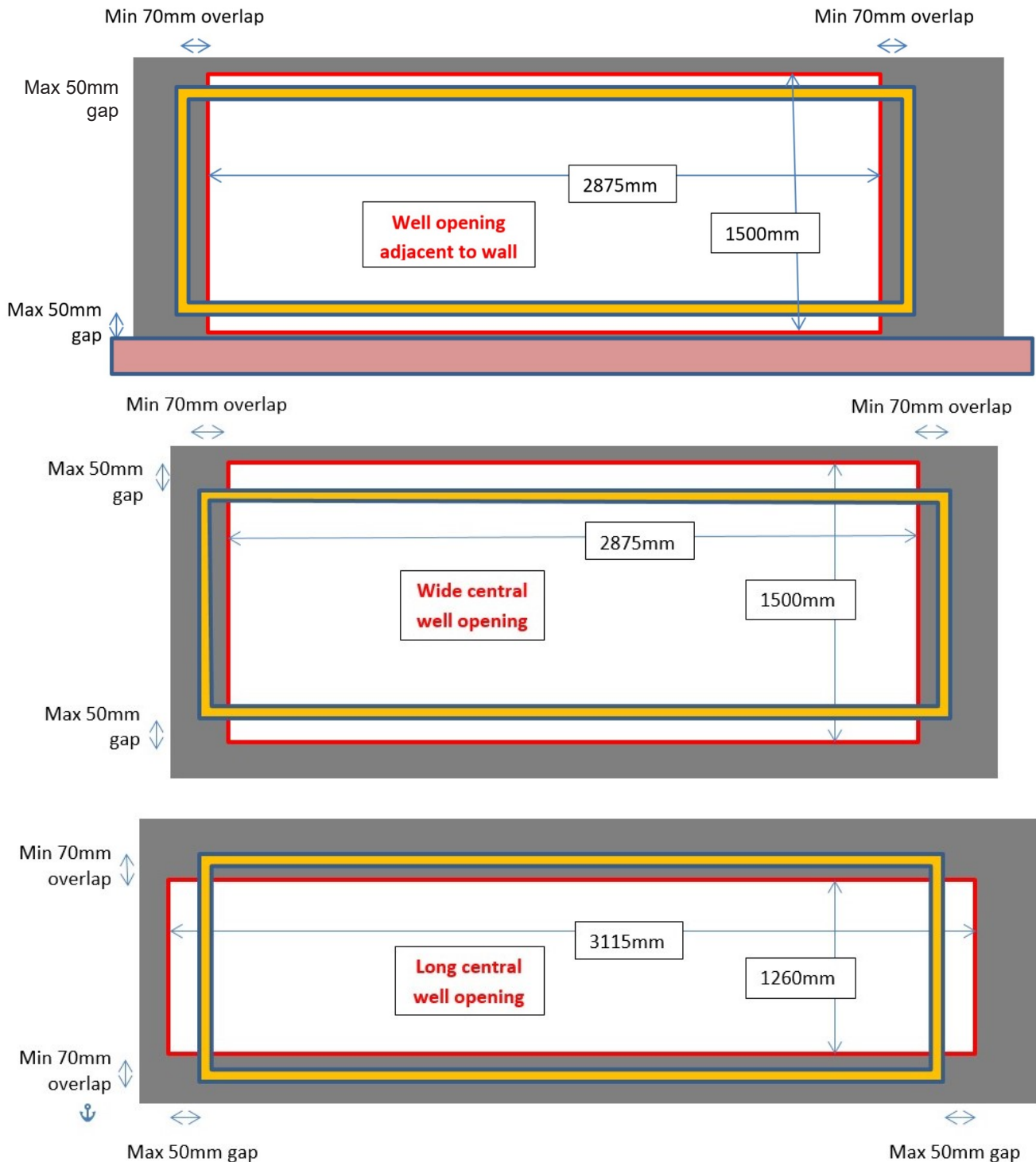
The load capacity of the frame has been established by calculation according to EN 1999-1 and will be further verified by load testing at an independent test laboratory
- **Identification:** Unique numbering on each individual frame

The Frame and Grille are designed to support the loads required for Load Class 3 Working Platforms (General Purpose Building Construction) as defined in EN 12811. These service loads are published and accepted for working platforms by HSE, HBF and NASC

Installation Procedure

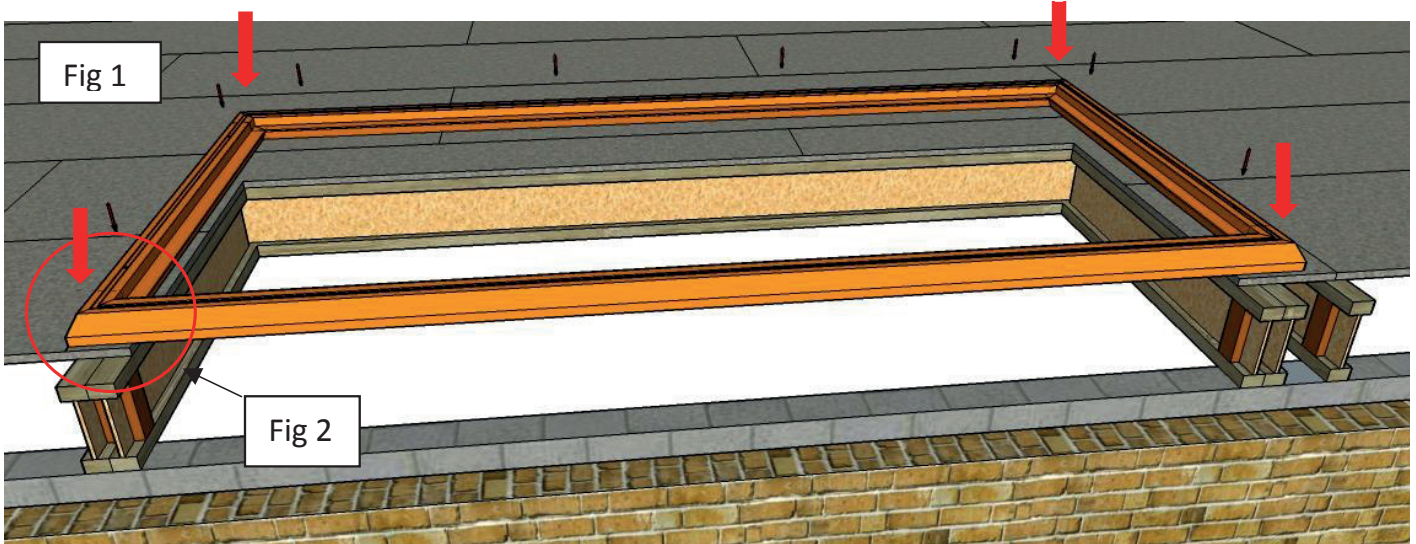
The following procedure should be followed when installing WellSafe™ frames before the 'crash-deck' beneath the stairwell opening is removed.

- 1. Check opening dimensions.** Frame is designed to cover an opening adjacent to walls up to 2875mm long x 1500mm wide. Central openings can be longer. **Ensure that all four corners of the frame are supported on the deck (Fig 1)**



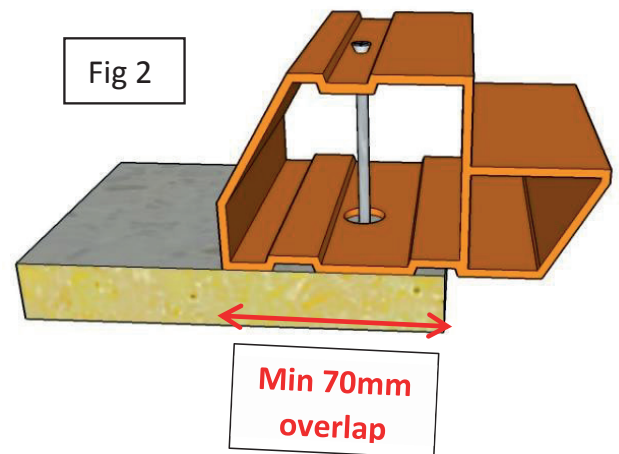
2. Locate the aluminium frame over the stairwell opening so that:

- a) all 4 corners are supported;
- b) there is no gap between the outside of the frame and the well opening greater than 50mm;
- c) All corners overlap the decking by a minimum of 70mm.



3. Fix the frame in position using 5mm x 100mm long screws fixed down through the 8mm diameter holes in the top of the frame down through the 16mm diameter hole in the bottom of the frame and into the chipboard decking below. See Fig 2.

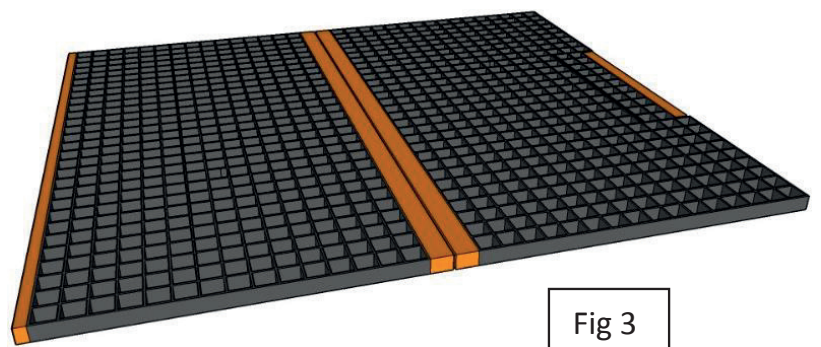
Ensure at least 2 fixings on each short edge of the frame and 3 on each long edge where there is decking to fix into.



4. If the frame leaves a gap anywhere around the opening greater than 50mm then a second WellSafe™ frame should be used butted up against the first and installed and fixed as per the details outlined above.

5. Fit the GRP grilles once the frame(s) have been installed.

Each frame has 4 grilles, 3 with full-width aluminium reinforcement bars on both sides and 1 with smaller hinged 'flaps' on the one side to allow a ladder to be installed poking through the grille and a full width bar on the other side (Fig 3).



6. Each grille should be inserted into the frame with the non-slip rough side facing upwards and the full width aluminium bars to the middle. The smaller hinged 'flap' should then rest on the outer short edge of the frame. See Fig 4 opposite.

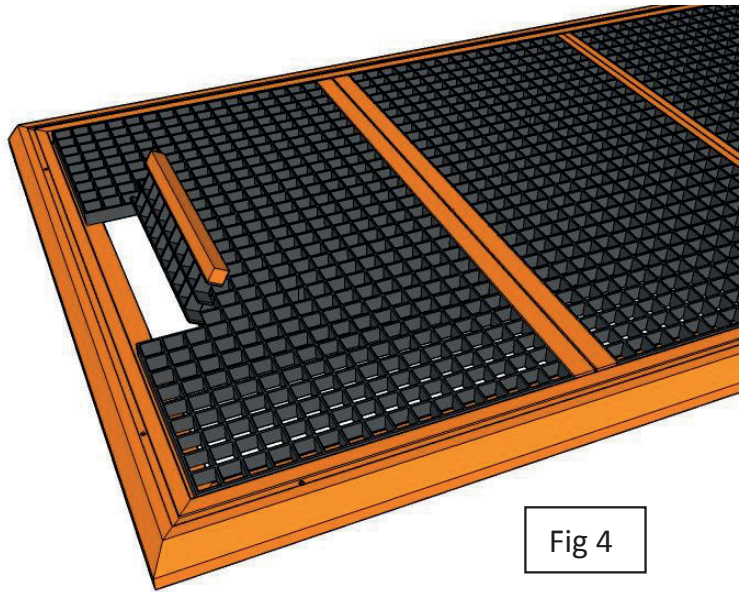


Fig 4

7. After frames are installed ensure all grilles are in place and closed to prevent falls (Fig 5).



Fig 5

8. To **install an access ladder** open the small flap and push the ladder through (Figs 6a & 6b). The ladder must protrude through the hatch by at least 1m for improved access off the ladder and making it more prominent in the floor chamber to reduce the trip hazard. Tie the ladder legs in place with cable ties fed through the holes located in the frame either side of each leg. Pull ties tight to stop any movement of the ladder when in place.

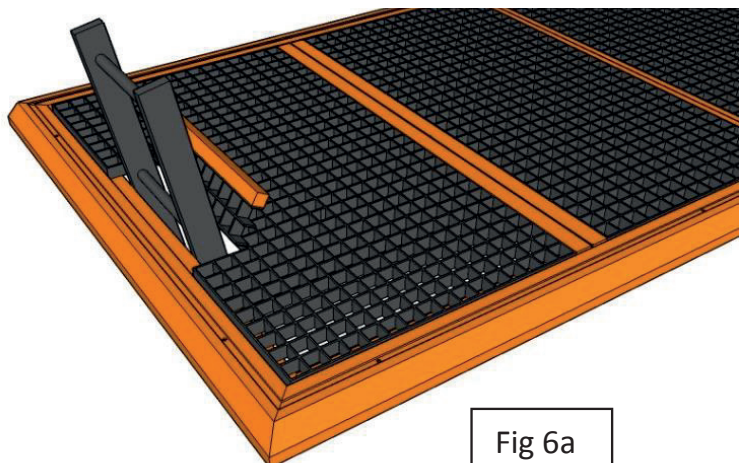


Fig 6a

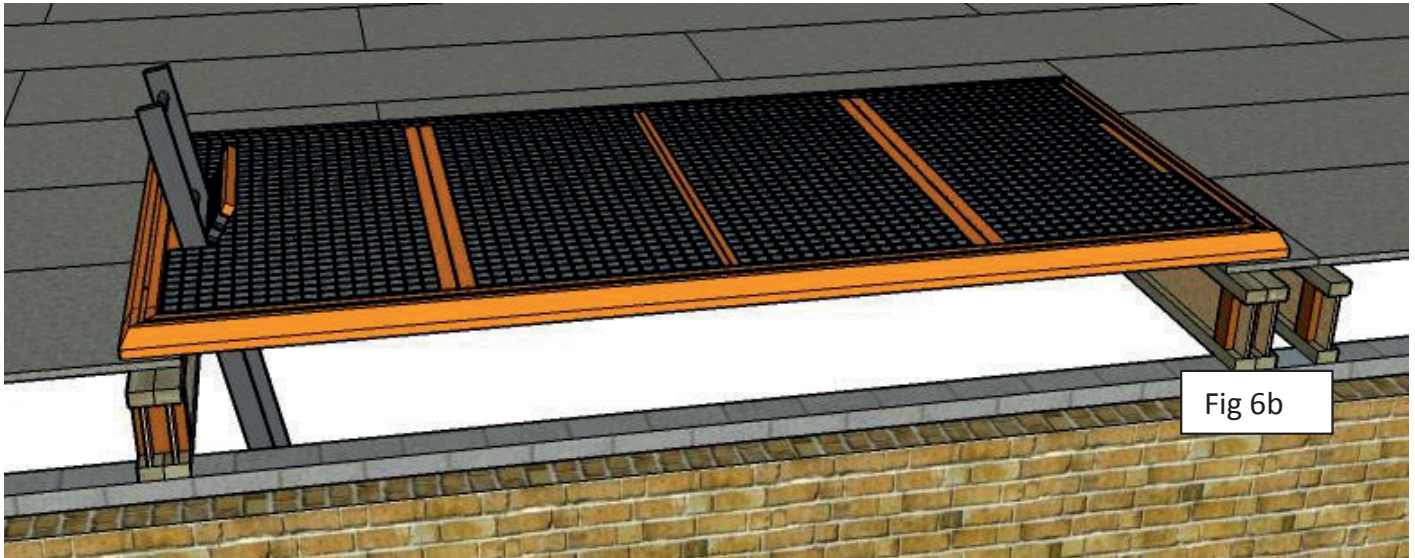


Fig 6b

9. To access the floor level, climb ladder, lift and push the WellSafe™ frame grille back and climb through onto the completed floor (Fig 7).

Ensure that the grille is immediately closed after to prevent falls through the opening.

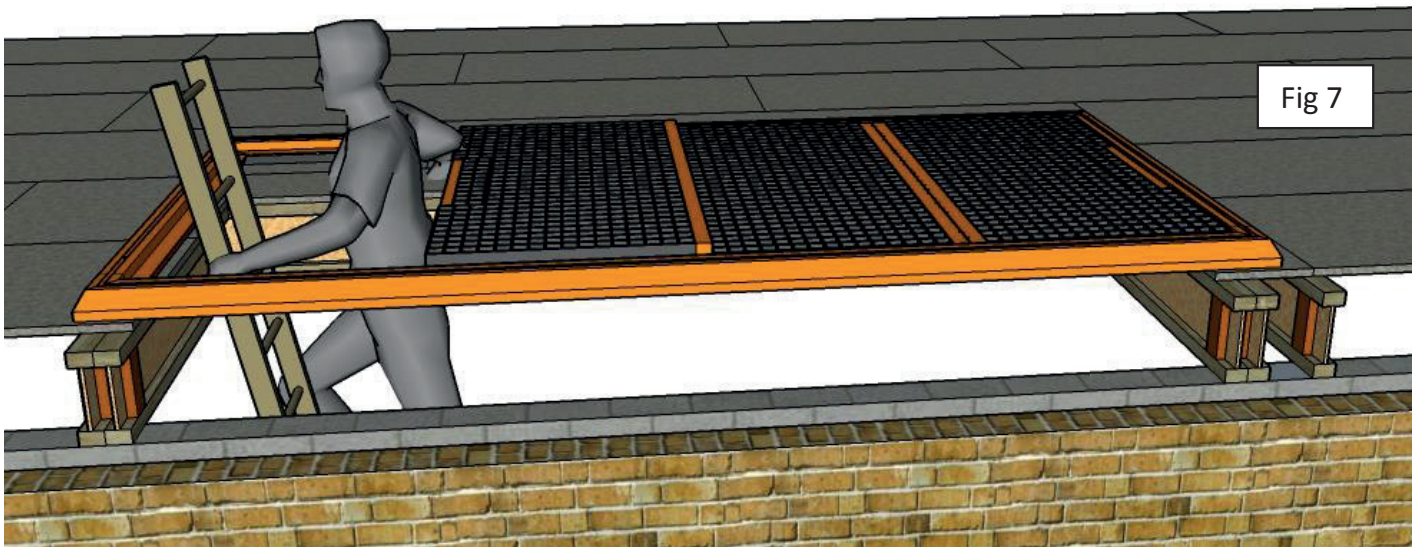


Fig 7

10. To pass large items up to the floor from below, remove whole grilles for access - always remembering to replace straight after to prevent falls through the opening.

CONTACT STAIRCRAFT IF YOU REQUIRE SPARE PARTS

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