

Waiver:

This data sheet is for guidance only & must not be used for proper working drawings. Please contact Stannah Lifts for particular details before proceeding. Owing to our policy of continual improvement, we reserve the right to alter specifications & dimensions without prior notice.

For guidance only
MIDLIFT DL
 Wheelchair Vertical Lifting Platform
 Typical Loadings Arrangement



OUTDOOR INSTALLATIONS

With steel structure, bracing hoops, glass cladding all round, & max travel 6.5m

Fig 1: Isometric view

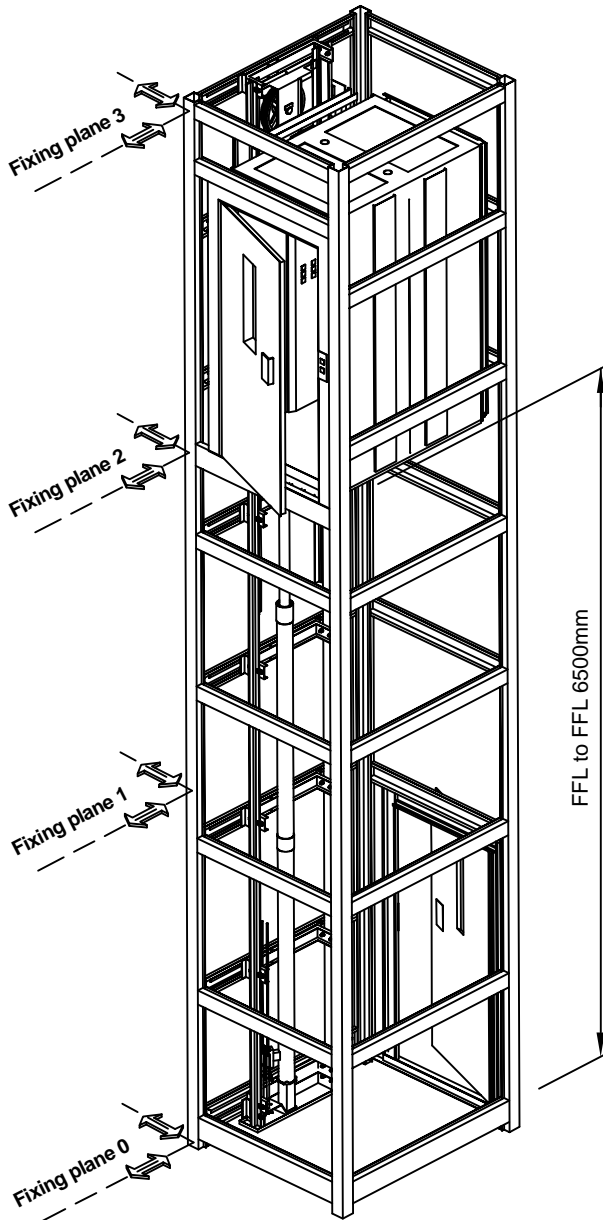
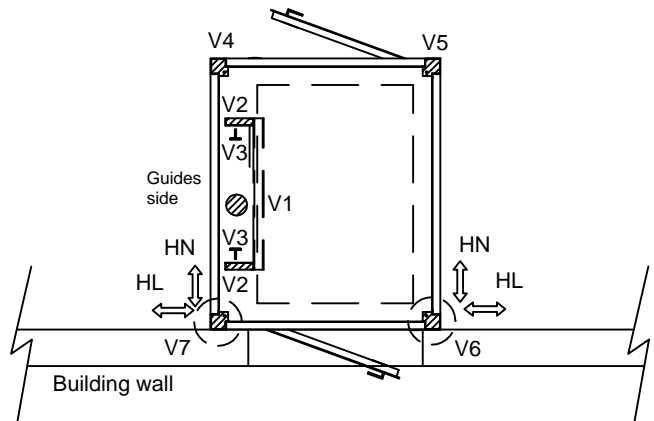


Fig 2: Plan on lift base



Notes

1. Both horizontal & vertical loads are applied by the lift to the building structure & ground. Details follow. All loads stated are static, or equivalent static, applied through suitable fixings into floor, walls & building structure as applicable.

Loads stated are maximum values for a standard outdoor lift with steel structure & bracing hoops, 2 entrances, glass cladding on 3 sides & travel of 6.5m.

Figures quoted are for guidance only - always check site specific builders work drawing for definitive values.

Vertical loads

2. Magnitude of typical vertical loads are shown in Table 1; positions as indicated in Fig 2 with prefix 'V'. Each load may be assumed to act at a point, applied vertically downwards.

Only *one* of load(s) V1, V2 & V3 are applied at any given time. V1 occurs during normal lift operation while V2 & V3 occur in failure mode conditions. V2 & V3 each occur in 2 positions.

Horizontal loads

3. At least one supporting wall is required to react horizontal loads applied by the lift. Horizontal loads are applied by fixings (Note 6), secured through lift structure corner uprights & bracing hoop brackets.

4. Position of horizontal loads are shown in Fig 2 with prefix 'H'. In Fig 1, arrows indicating loads are shown on one side only for clarity. Magnitude of horizontal loads are:

HN = 5.3 kN; HL = 5.3 kN

5. Fixing planes are set out at maximum 3.6m pitches upwards & downwards from the upper landing entrance. Bracing hoops are fitted at each fixing plane except:

- at floor level (Fixing plane 0)
- when a second wall can be used for fixing at Fixing plane(s)

Fig 1 shows an example of setting out of Fixing planes; bracing hoops will be used at Fixing planes 1,2 & 3.

6. Fixings will be made into the building wall(s) with an appropriate number of anchors. Typically, an array of 3 x M12 studs together with chemical resin will be used in each of 2 positions at each Fixing plane, in the proximity of bracing hoop brackets.

Table 1: Vertical loads

Position	Load (kN)
V1	13.9
V2	14.3
V3	11.7
V4	9.8
V5	9.8
V6	9.8
V7	9.8

INFORMATION SHEET
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