

# LOADINGS, MIDLIFT DL, WALL MOUNTED



## NOTES:

### General

1. This data sheet describes the applied loads for the wall mounted Midlift DL; loads are applied to the guides side wall (horizontally) & vertically into the pit base.

2. Sketches show single side entrance configuration for platform size 1100mm (width) x 1400mm (depth). For this arrangement only:  $x = 445\text{mm}$ ; 'shaft depth' = 1590mm; 'shaft width' = 1475mm. See also Note 7.

3. Requirements not shown will apply to shaft construction: linear tolerances, squareness & plumb of walls. Stannah will supply site specific builders work drawing detailing requirements for each application. A shaft constructed with all 4 sides in high density blockwork is preferred.

### Horizontal load

4. Magnitude of couple applied to wall is  $5\text{kN} \times 2.2\text{m} = 11\text{kN.m}$ . This couple is applied to the wall in 2 positions 750mm (horizontally) apart. See also Note 6.

5. Couples may be applied at any position through height of guide wall. Guide wall is required to extend min 2700mm above uppermost FFL.

6. Fixings to shaft wall usually made at vertical pitches of approx. 1500mm.

7. Horizontal distance between guide bracket fixings to wall is 750mm. Dim 'x' (see plan) is critical setout dimension, & will vary with shaft size; shaft sizes varies according to platform size & entrance configuration. See also Note 2.

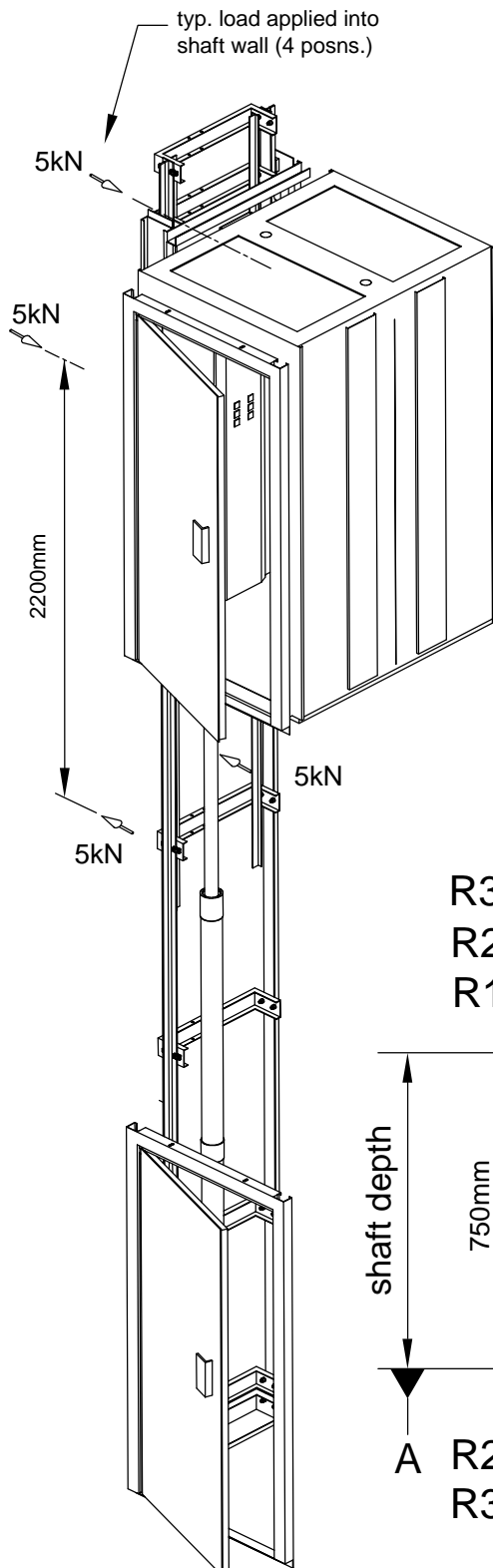
### Vertical loads

8. Vertical loads applied downwards to pit floor. See table & 'Plan on lift shaft' for details of magnitudes & positions.

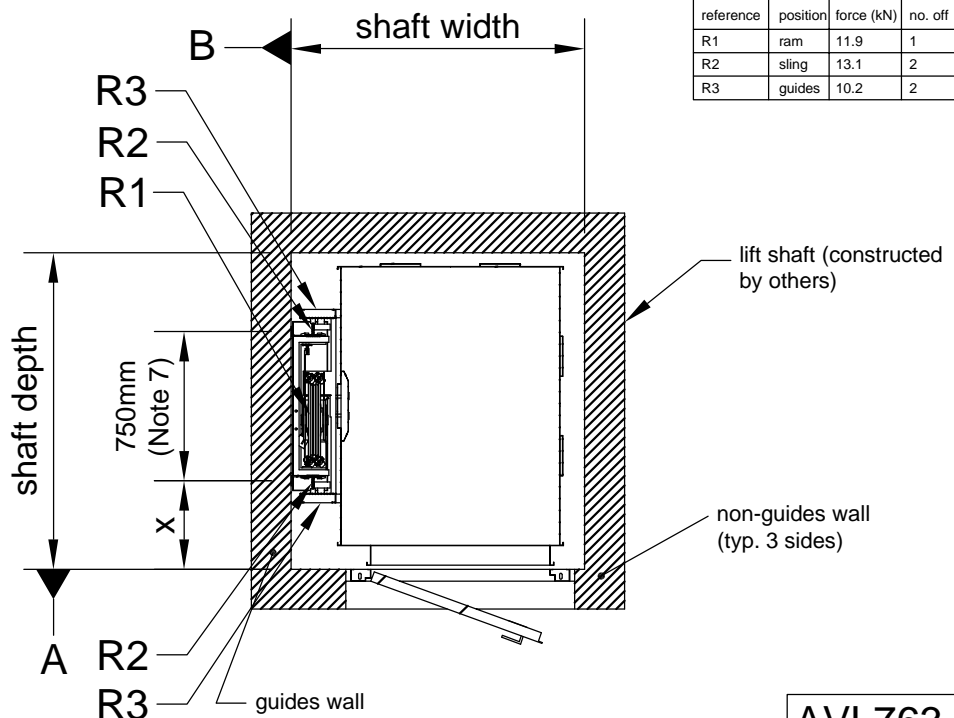
10. Only **one** of R1, R2 & R3 act at any given time.

## VIEW ON LIFT CAR & GUIDES

(SHAFT OMITTED)



## PLAN ON LIFT SHAFT



## VERTICAL LOADS

reference	position	force (kN)	no. of
R1	ram	11.9	1
R2	sling	13.1	2
R3	guides	10.2	2

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