



Sterling Survey Guidelines Round The Corner (RTC)

STERLING SURVEY SHEET MUST BE USED.

TOOLS REQUIRED:	4' Spirit Level Angle Finder Plumb Line 36' or 1m Steel Rule	16' or 5m Steel Tape Combination Squares (with built in spirit levels)
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SURVEYOR DETAILS Fill in all details as required in the box.

INSTALLATION ADDRESS Fill in details as required in the box.

INVOICE ADDRESS Fill in all details as required in the box, if different from the installation address.

COMMENTS Use this box for any comments you wish to make which are pertinent to the job, either to customer services concerning the order or to the design team.

JOB DETAILS For internal use only.

STAIRLIFT AND TRACK DETAILS

Where provided tick the appropriate box or, if no box is provided, state clearly what is required.

Drive Unit. Tick box for right hand (RH) or left hand (LH) facing up the stairs.

Seat Type. Discuss with client which is the most suitable seat.

Upholstery Colour. State colour and code.

Rail Colour. Tick appropriate box.

Track Type	RTC Internal	RH or LH
	RTC External	RH or LH
	Hinge	(External only)
	Tick all appropriate boxes.	

Estimated Track Length. For the surveyor to estimate costs only. Note: The track length is accurately determined by computer at Minivator Head Office.

Bends. Tick appropriate box. (If a bend is not 90° or 180° state the angle on the plan).

Reduced Lower Intrusion. This track layout can sometimes be used to avoid the track interfering with a doorway etc. (See page 3 of survey sheet for illustration of reduced lower intrusion and details required).

Bottom or Top Overrun. If the client needs or wants an overrun, determine exactly what is required by discussion with the client (See page 3 of survey sheet for illustration of bottom or top overrun and details required).

Intermediate Landing. This is a straight landing between 2 straight flights of stairs. (See page 3 for illustration of landing and details required).

Heavy Duty Requirements. If the user is over 250lb/115Kg stanchion wall brackets, stanchion spreader plates and landing spreader plates will be required.

Wall Bracket. These brackets will be required if the user is over 250lb /115Kg

NOTE: IF THE USER IS OVER 302lb/ 137kg A STAIRLIFT CANNOT BE PROVIDED.

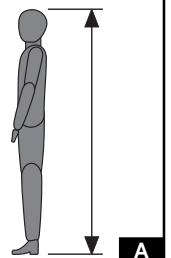
Handset (Number Required). Determine how many handsets will be required. (Up to 6 may be used) Assess by line of sight. If from the top and bottom positions required for the handsets the sensors on the stairlift armrest can 'see' the handsets then only 2 handsets are required and they will not require 'hard wiring'. If line of sight cannot be established with 2 handsets then they must be 'hard wired'.

Any number between 3 - 6 will require 'hard wiring'.

Installation	} All are final estimate costs
Sub Total	
VAT@	
Total	
Deposit	
Balance	

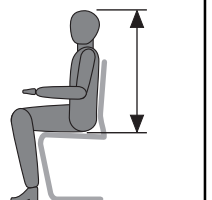
USER DETAILS - ASSESS CLIENT'S LEG FLEXION

Measure users height standing (For Perch Seats Only)



inches/mm

Measure users seated height from chair



inches/mm



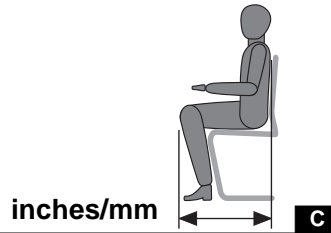
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The client's leg flexion must be assessed to determine the type of seat requirement.

i. e. Normal or perch.

Measure users back to knee length and leg flexion



Is user over 250lb/ 115 Kg?

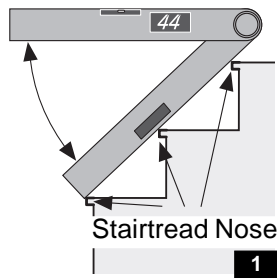
If user is over this weight heavy duty track fittings will be required. See note on page 1.

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STRAIGHT STAIR FLIGHT INFORMATION. All information on all flights is required.

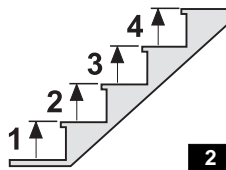
Measure Stair Angle with a suitable device.

The stair angle is the angle created between a horizontal line and a straight line created from stairtread nose to nose. Measure at several points.



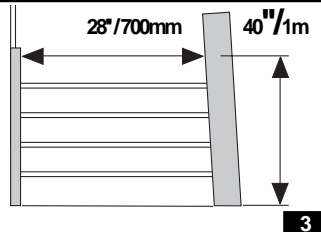
Count Number of Risers.

The riser is the vertical measurement from the ground or surface of one step to the surface of the next step.



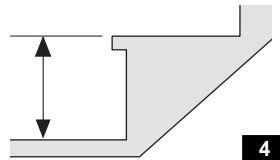
Measure Minimum Width.

If any internal surfaces are sloping inwards take measurement 40" up the surface. This is to ensure the required 28" is available. If it is not it may not be possible to fit a stairlift.



First Riser Height.

This is the single height of the first Riser in a straight run of stairs



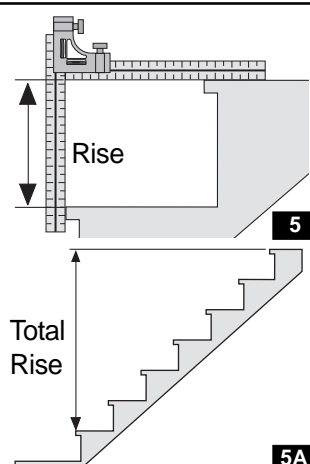
Rise

Rise is the vertical measurement from horizontal step to horizontal step.

This is most accurately measured with combination squares as shown.

Measure Total Rise.

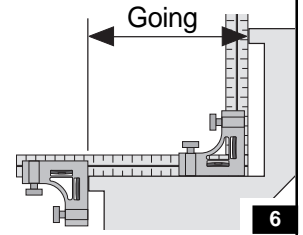
This is the vertical measurement from the surface of the 1st step at the bottom of the stairs to the surface at the top of the stairs. Do not include the ground floor.



Going

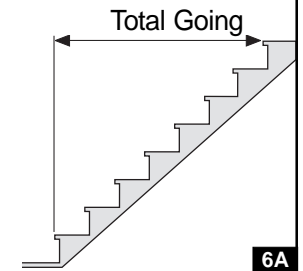
The Going is the horizontal measurement from one stairtread nose to the stairtread nose above.

This is most accurately measured with combination squares as shown.



Measure Total Going.

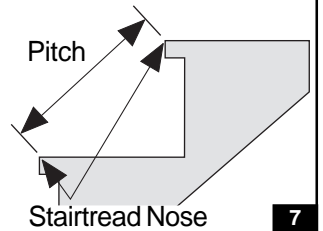
The distance from the 1st nose at the bottom of the stairs to the nose at the top of the stairs.



Pitch

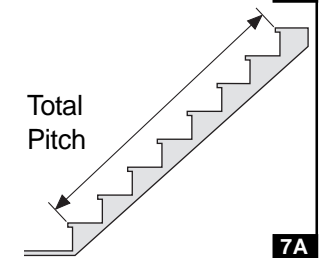
The Pitch is the straight line measurement from stairtread nose to stairtread nose.

This is most appropriately measured with a steel rule.



Measure Total Pitch Length.

This is from the nose on the 1st step at the bottom of the stairs to the top nose of the stairs. Do not include the ground floor.



CHECK LIST. This is a list of all the areas that need to be completed to be able to process your order. Tick each box as the area is completed.

How to Measure a Bulkhead

Note: All Bulkhead dimensions are required on internal tracks or when using a perch seat.

They are only required on external tracks when using a seated unit if the bulkhead falls below a height of 78" / 2m.

Continuous Type

The measurements must be taken from the nose of each stairtread vertically to the bulkhead as shown.

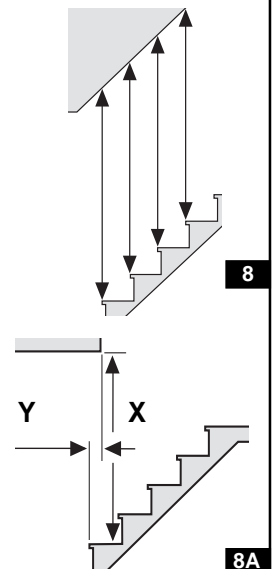
Square Type

The measurements must be taken from the positions as shown on the drawing.

X is the Bulkhead height.

Y is the Bulkhead offset.

These dimensions must be written in the RH column as shown in. **11**



CONDITION OF STAIRS.

Tick in the appropriate box. If any remedial work is necessary give details on the plan. 9

QUOTATION NUMBER.

This is the same quotation/order number as on page 1 of the survey sheet or can be the clients/agents name. 10

No.	Riser Height	Tread Depth External	Tread Depth Internal (irregular stairs only)	Bulkhead /Offset X dim'n. Y dim'n.
1				
2				i.e 1950/50

In these columns give all dimensions required, for all risers, tread depth and bulkhead/offset. 11

STAIR CONSTRUCTION.

Tick appropriate box. If the stairs are constructed with different materials on different flights state clearly on the plan. 12

RAIL SPECIFICATION.

Please consider all starting positions before ticking the appropriate option.

Bottom Start

1 Distance To:

Fill in as many of the measurements as possible in order to supply the design team with a greater understanding of the area to park within.

2 Hand of Rail:

Tick the box for either left hand or right hand rail (facing up the stairs).

3 Standard Start:

Track usually follows angle of stairs to ground floor level.

4 Reduced Lower Intrusion (RLI):

A reduced lower intrusion can be used to avoid the use of a hinged track. Specify at which point you wish the lift to start. (Ground, 1st, 2nd or 3rd tread).

5 Bottom Overrun:

Specify the distance from the first riser to the furthest point that you require the arm of the chair to stop.

6 Hinged Track:

This can be used when a clear way is required for a doorway or hall which is located directly at the bottom of the stairs.

7 Internal 90° or 180° wrap around:

A wrap around start offers less track intrusion at the bottom of the stairs than a RLI. This gives an increased usable width of stairs for the clients knees over an external hinged track. Plus it also parks the chair neatly out of the way.

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Top Finish

1 Internal 90° or 180° wrap around:

A wrap around finish offers an overrun on to landing areas as well as being able to park without obstructing part of the stairway.

2 Standard:

Footplate finishes as close as possible to the nose of the last step.

3 Top Overrun:

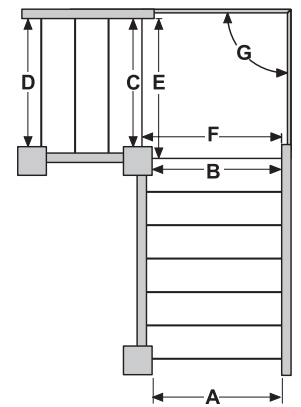
Specify the distance from the nose of the last tread to the furthest point that you require the arm of the lift to stop. 14

Dimensions Required for a ¼ Landing

All dimensions shown are required.

Note: If any walls, newel posts or stair rails are not vertical and are leaning into the stairs, then dimensions A, B, C, D must be taken 40"/1m up from stair level.

Note: The direction of travel from the bottom up must be shown.



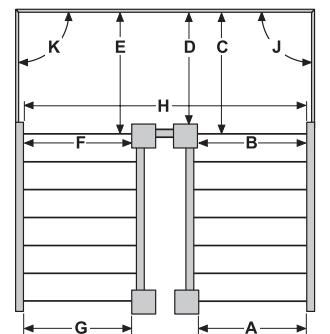
15

Dimensions Required For a ½ Landing

All dimensions shown are required.

Note: If any walls, newel posts or stair rails are not vertical and are leaning into the stairs, then dimensions A, B, D, F, G, must be taken 40"/1m from stair level.

Note: The direction of travel from the bottom up must be shown.



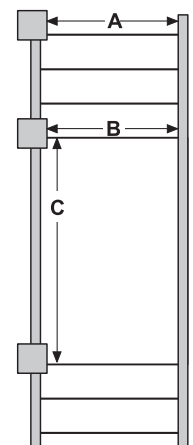
16

Dimensions Required For Straight (Intermediate) Landing

All dimensions shown are required.

Note: If any walls, newel posts or stair rails are not vertical and are leaning into the stairs, then dimensions A, B, must be taken 40"/1m up from stair level.

Note: The direction of travel from the bottom up must be shown.



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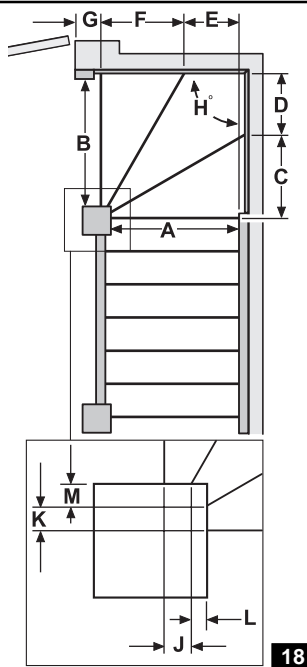
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Dimensions Required For a Fan Landing

All dimensions shown are required.

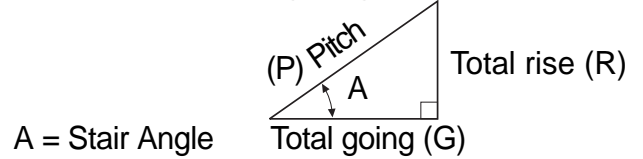
Note: If any walls, newel posts or stair rails are not vertical and are leaning into the stairs, then dimensions A and B must be taken 40"/1m from stair level.

Note: The direction of travel from the bottom up must be shown.



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Calculations to check straight flight information



A = Stair Angle

$$P = \sqrt{(R^2 + G^2)}$$

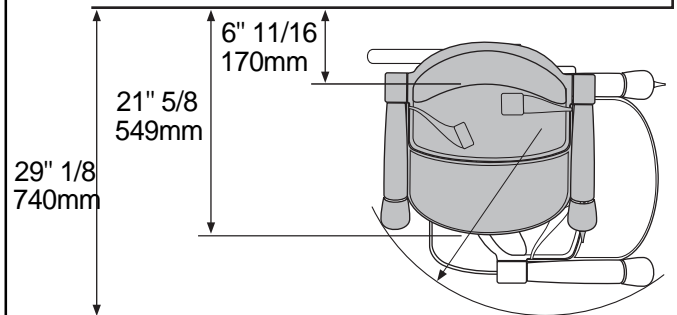
$$R = P \times \sin A^\circ$$

$$T = P \times \cos A^\circ$$

21

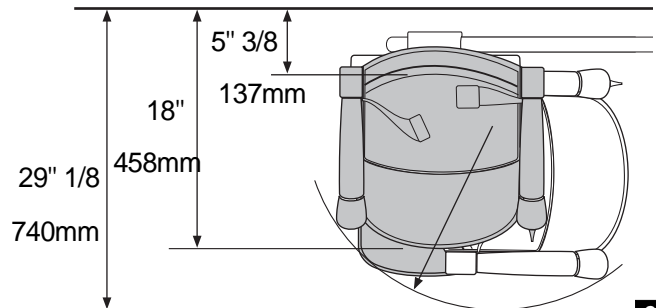
Details of minimum swivel dimensions (inch) required for different seats

Luxury 2000 Seat



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Spacesaver Seat



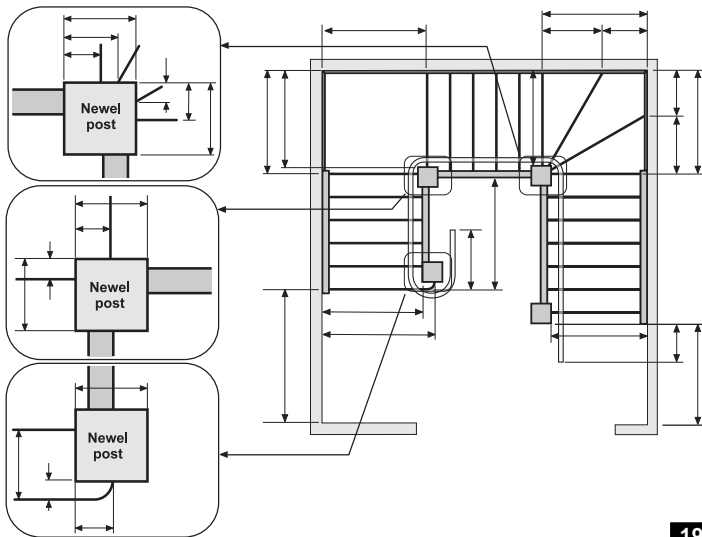
23

Dimensions Required For Inside Tracks

All dimensions shown are required.

INTERNAL DIMENSIONS AND POSITIONS OF NEWEL POSTS ARE EXTREMELY IMPORTANT.

Note: If any walls, newel posts or stair rails are not vertical and are leaning into the stairs, then all affected dimensions must be taken 40"/1m up from stair level.

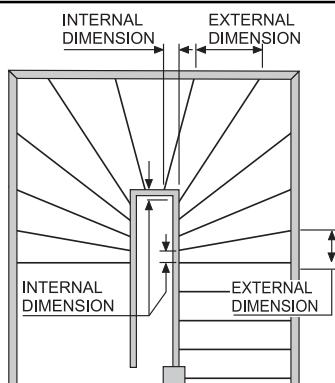


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Dimensions Required For Irregular Stairs

The internal and external stairtread dimensions shown are required, plus all other relevant dimensions as shown on plans 15 - 19 inclusive.

Note: The direction of travel from the bottom up must be shown.



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Sterling will only accept surveys on the relevant survey forms.

If you require additional forms or if you have any questions on how to survey please contact Sterling on 570 895 2480

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