



CAMBRIDGE DOOR SERVICES LIMITED

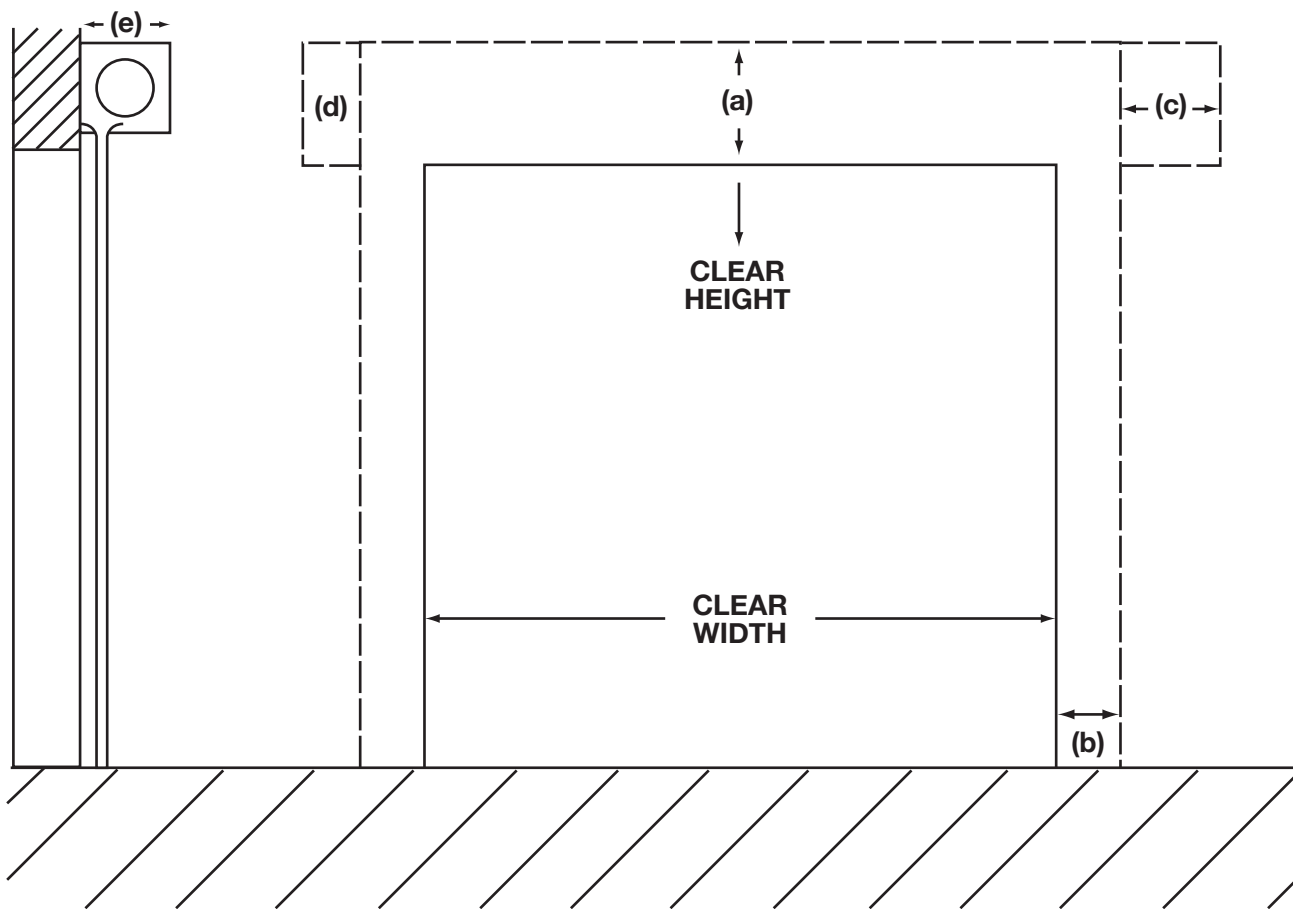
Cambridge Door Services Limited
Unit A, 127 Mereside Industrial Estate
Soham, Cambs, CB7 5EQ, England

Tel: 01353 725000

Fax: 01353 725001

Email: info@cambridgedoorservices.com

Web: www.cambridgedoorservices.com



MANUALLY OPERATED STEEL ROLLER SHUTTER - HAND CHAIN OPERATION FACE FITTING TO BUILDING FABRIC HEADROOM AND SIDEROOM REQUIREMENTS

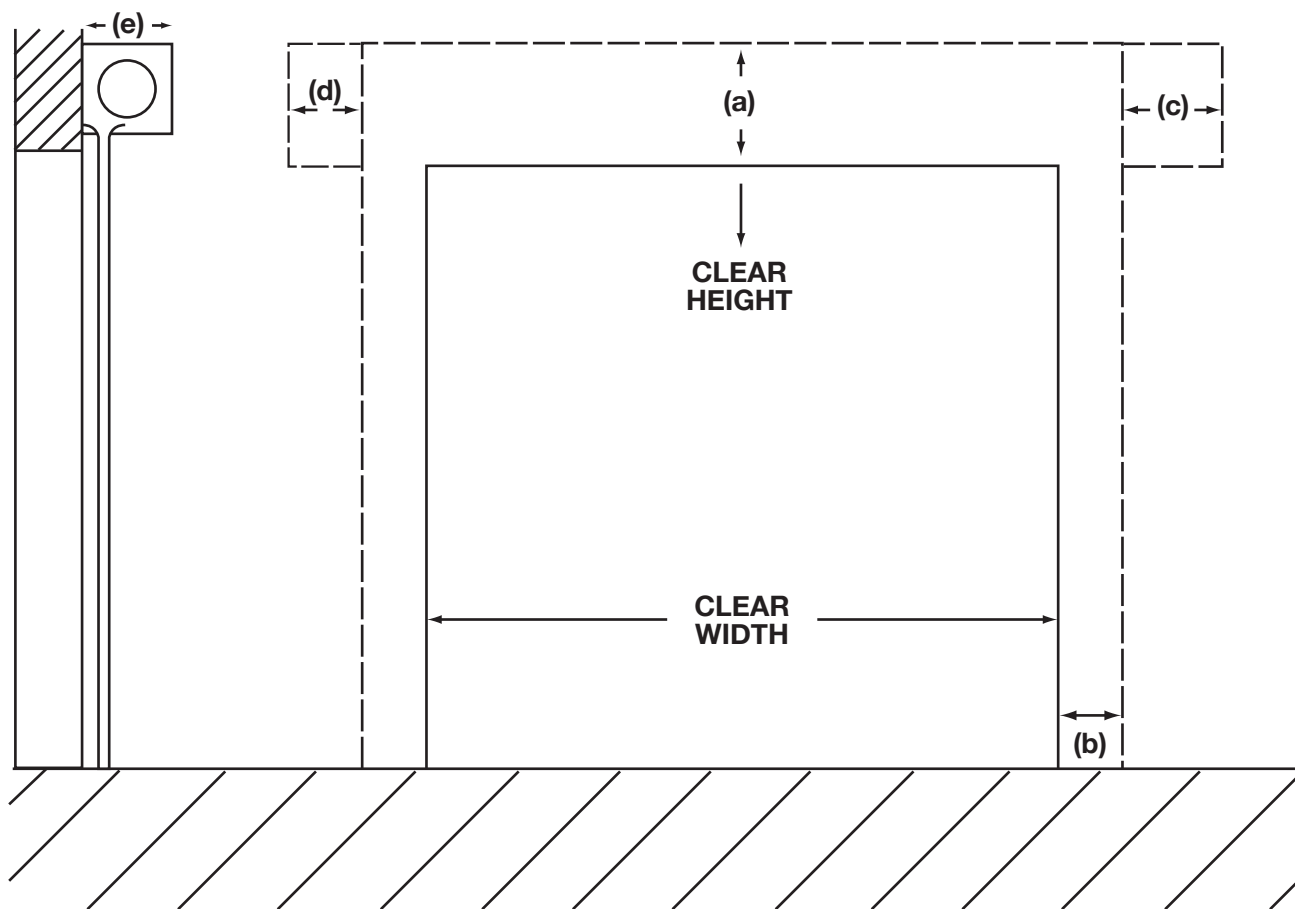
- (a) 0-2500^{C/H} = 350 2500 - 5000^{C/H} = 400
- (b) STANDARD GUIDE = 85 WIDER DOORS = 105
- (c) HAND CHAIN UNIT - MINIMUM = 80 (L or R HAND)
- (d) SAFETY BRAKE MECHANISM = 50 (L or R HAND)
- (e) 0-2500^{C/H} = 300 2500 - 4000^{C/H} = 350 4000+^{C/H} = 400

DOOR WEIGHT - GENERAL GUIDE

- 0-16sqm = CURTAIN 11kg/sqm + 150kg
- 16-25sqm = CURTAIN 15kg/sqm + 300kg

NOTE:

SIDEROOM REQUIREMENT IS INCREASED IF FIXING POINT IN BRICKWORK ARE INADEQUATE.



ELECTRICALLY OPERATED ROLLER SHUTTER - HEAVY DUTY MOTOR FACE FITTING TO BUILDING FABRIC HEADROOM AND SIDEROOM REQUIREMENTS

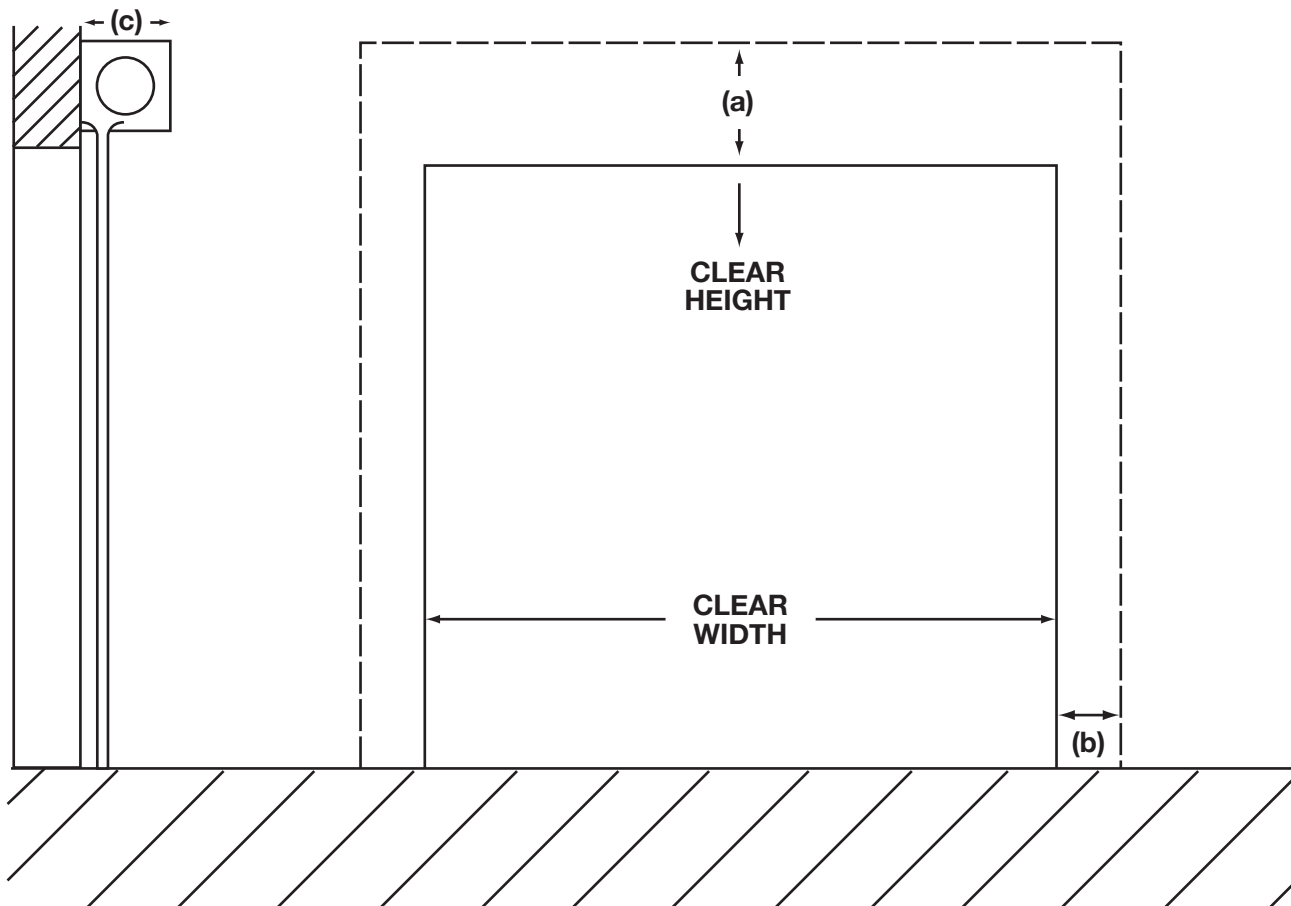
- (a) 0-2500^{C/H} = 350 2500 - 5000^{C/H} = 400
- (b) STANDARD GUIDE = 85 WIDER DOORS = 105
- (c) 200 OUTBOARD MOTOR 80 INBOARD MOTOR
- (d) SAFETY BRAKE MECHANISM = 50 (L or R HAND)
- (e) 0-2500^{C/H} = 300 2500 - 4000^{C/H} = 350 4000+^{C/H} = 400

DOOR WEIGHT - GENERAL GUIDE

0-16sqm = CURTAIN 11kg/sqm + 150kg
 16-25sqm = CURTAIN 15kg/sqm + 300kg

NOTE:

SIDEROOM REQUIREMENT IS INCREASED IF FIXING POINTS IN BRICKWORK ARE INADEQUATE.

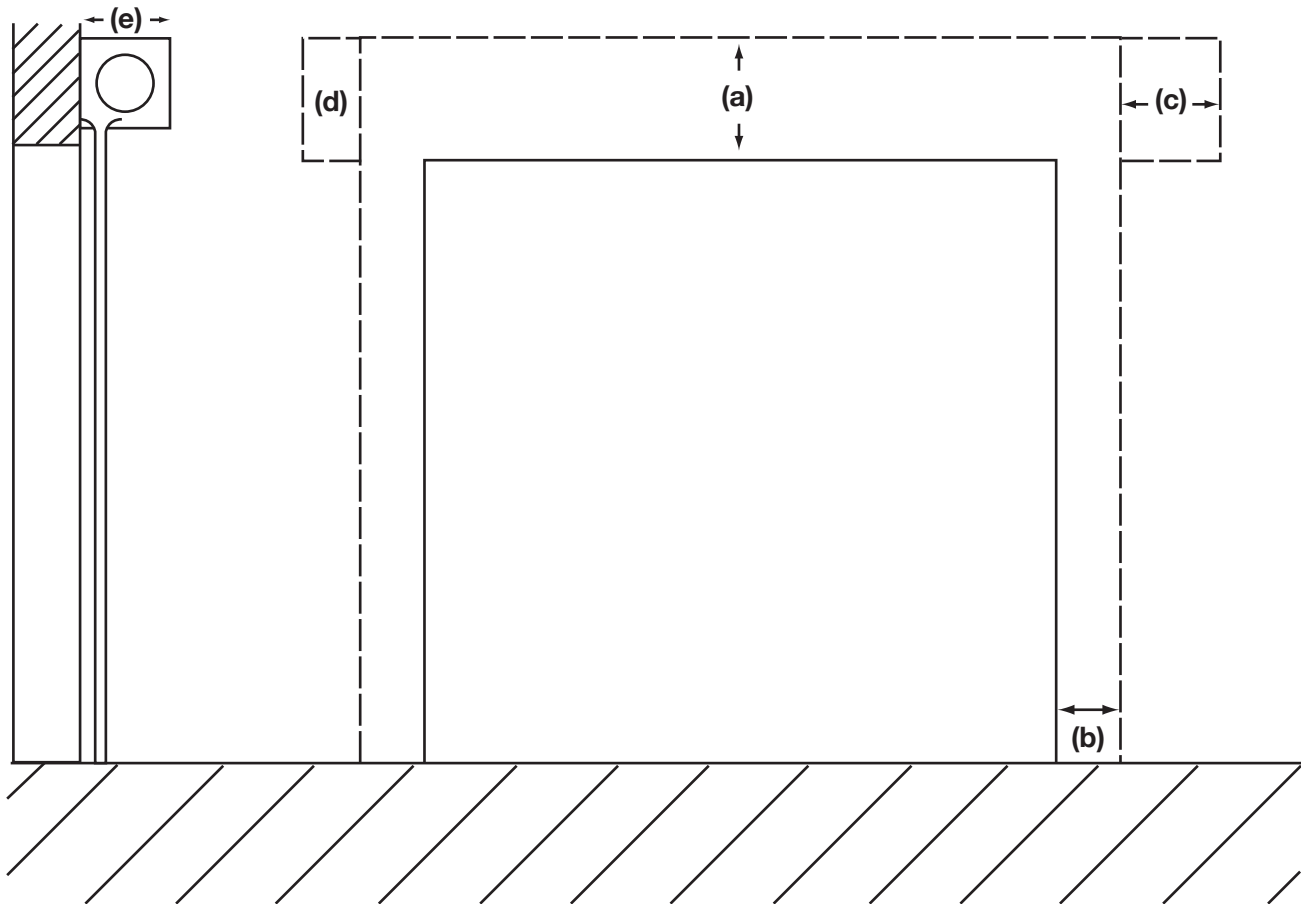


**MANUALLY OPERATED STEEL ROLLER SHUTTER
PUSH UP/ PULL DOWN OPERATION
FACE FITTING TO BUILDING FABRIC
HEADROOM AND SIDEROOM REQUIREMENTS**

(a) $0 - 2500^{C/H} = 350$ $2500 + ^{C/H} = 400$

(b) CAN BE 55 IF SIDEROOM IS TIGHT STANDARD IS 80.

(c) $0 - 2500^{C/H} = 300$ $2500 + ^{C/H} = 350$



ELECTRICALLY OPERATED ROLLER SHUTTER -SINGLE PHASE INBUILT TUBULAR MOTOR WITH SAFETY BRAKE

- (a) $0 - 2500^{C/H} = 350$ $2500 + ^{C/H} = 400$
(b) STANDARD GUIDE = 85 WIDER DOOR = 105
(c) MOTOR SIDEROOM = 80 CAN BE LESS IF MANUAL OVERRIDE IS NOT REQUIRED.
(d) SAFETY BRAKE MECHANISM = 50 NOTE: NOT REQUIRED WHERE OPENING IS NOT A THOROUGHFARE i.e. WINDOW.
(e) $0 - 2500^{C/H} = 300$ $2500 - 4000^{C/H} = 350$

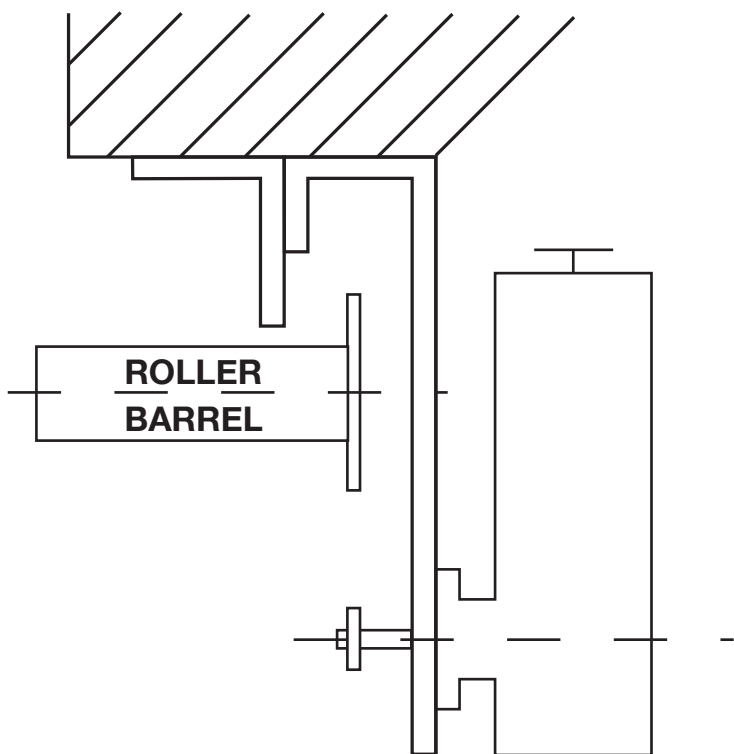
DOOR WEIGHT - GENERAL GUIDE

- 0-16sqm = CURTAIN 11sqm + 100kg
16-25sqm = CURTAIN 15sqm + 180kg

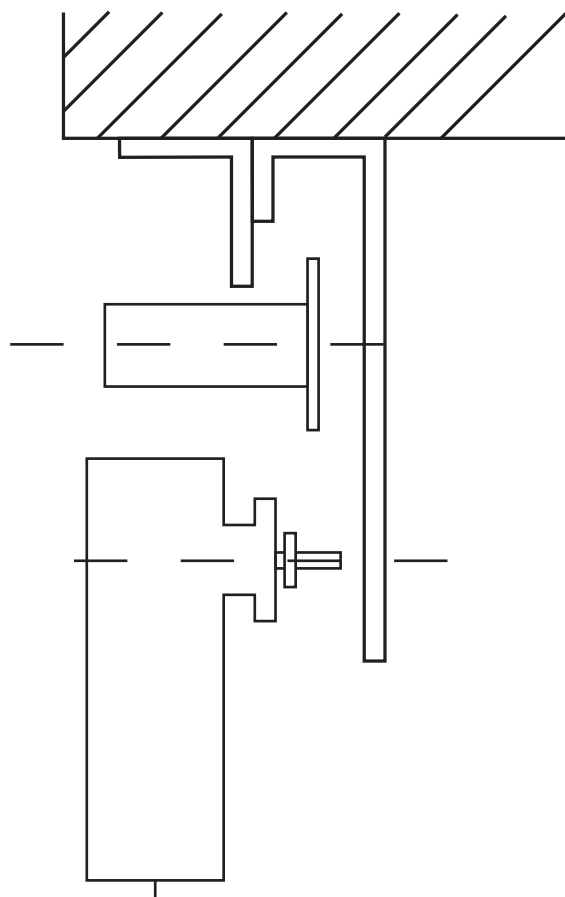


DRIVE MOTOR CONFIGURATION - EXTERNAL MOUNTING

STANDARD OUTBOARD



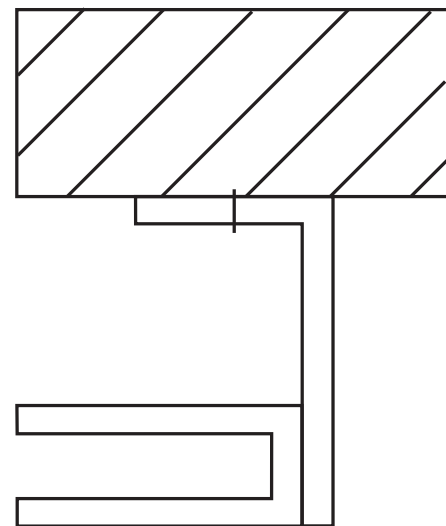
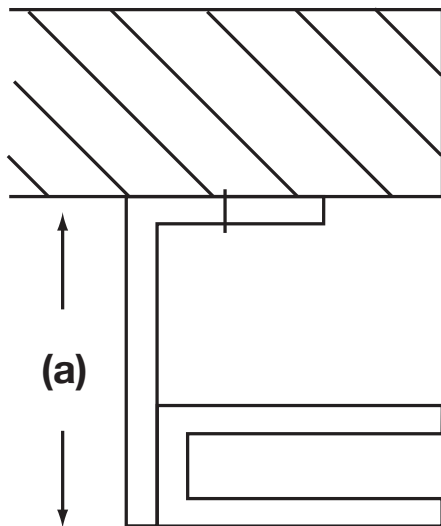
STANDARD INBOARD



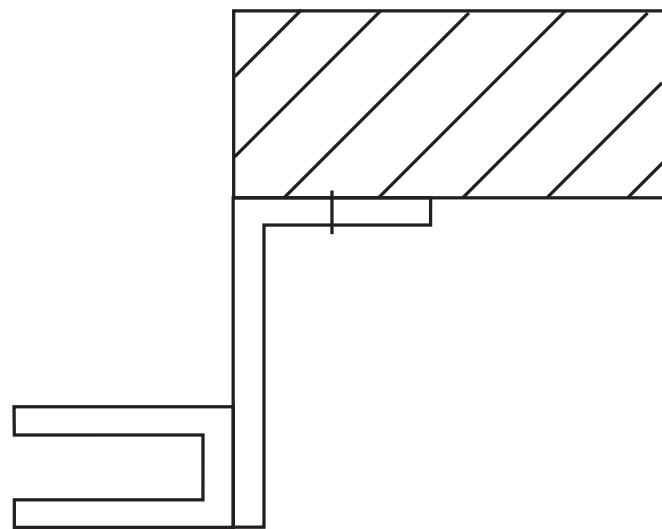
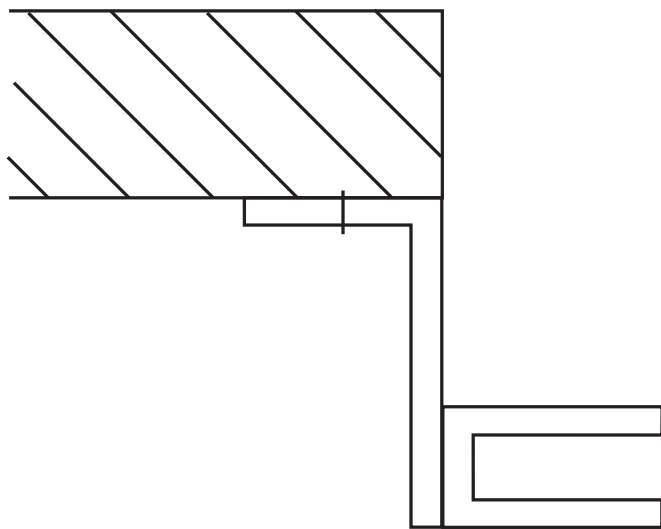
**NOTE: MOTOR CAN ALSO BE FITTED
ABOVE THE SHUTTER.**



**STEEL ROLLER SHUTTERS
TYPICAL GUIDE RUNNER/SUPPORT ANGLE LAYOUT**



STANDARD LAYOUT



REVERSE ANGLE LAYOUT USED WHEN SIDEROOM IS TIGHT AT THE TOP.

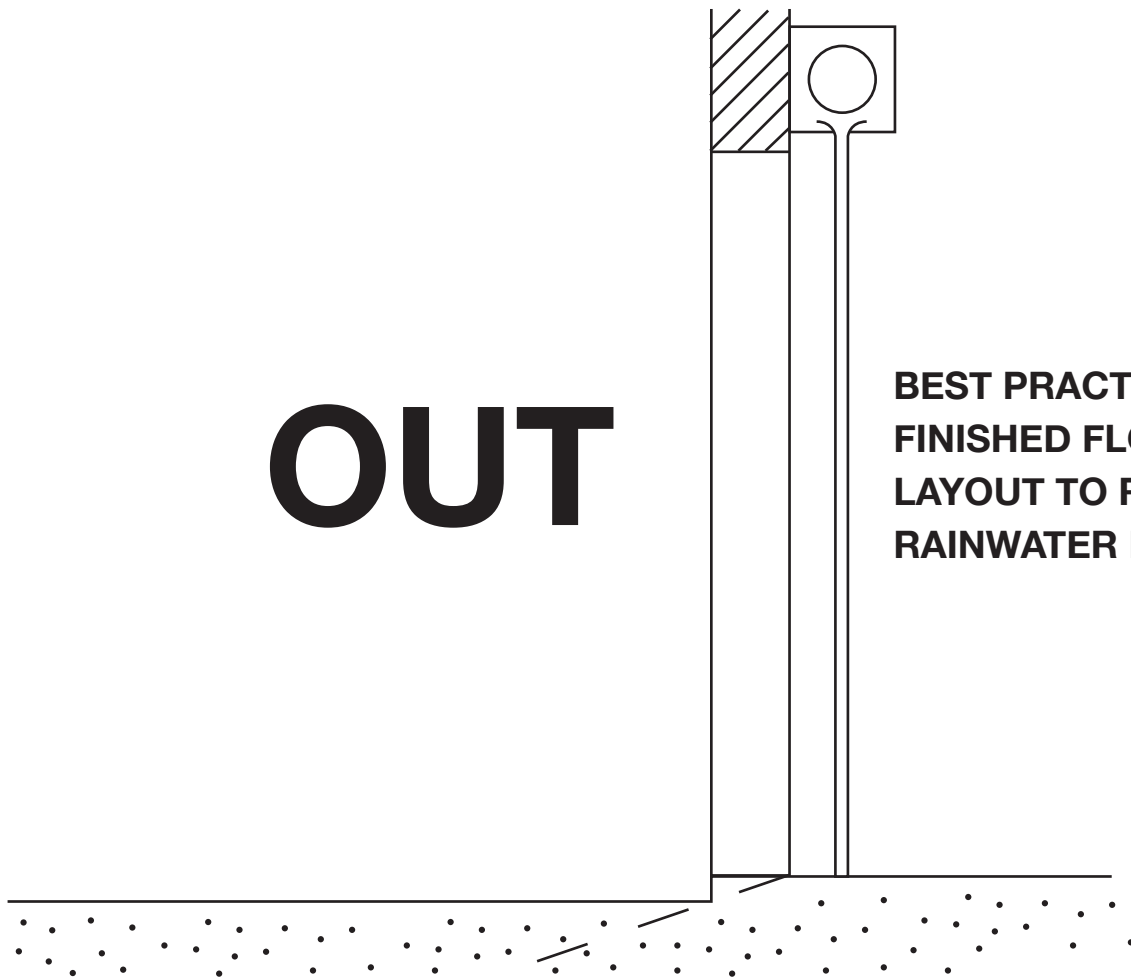
(a) STANDARD 100 - CAN BE 75 ON SMALL SHUTTERS.



STEEL ROLLER SHUTTERS

NOTES

OUT

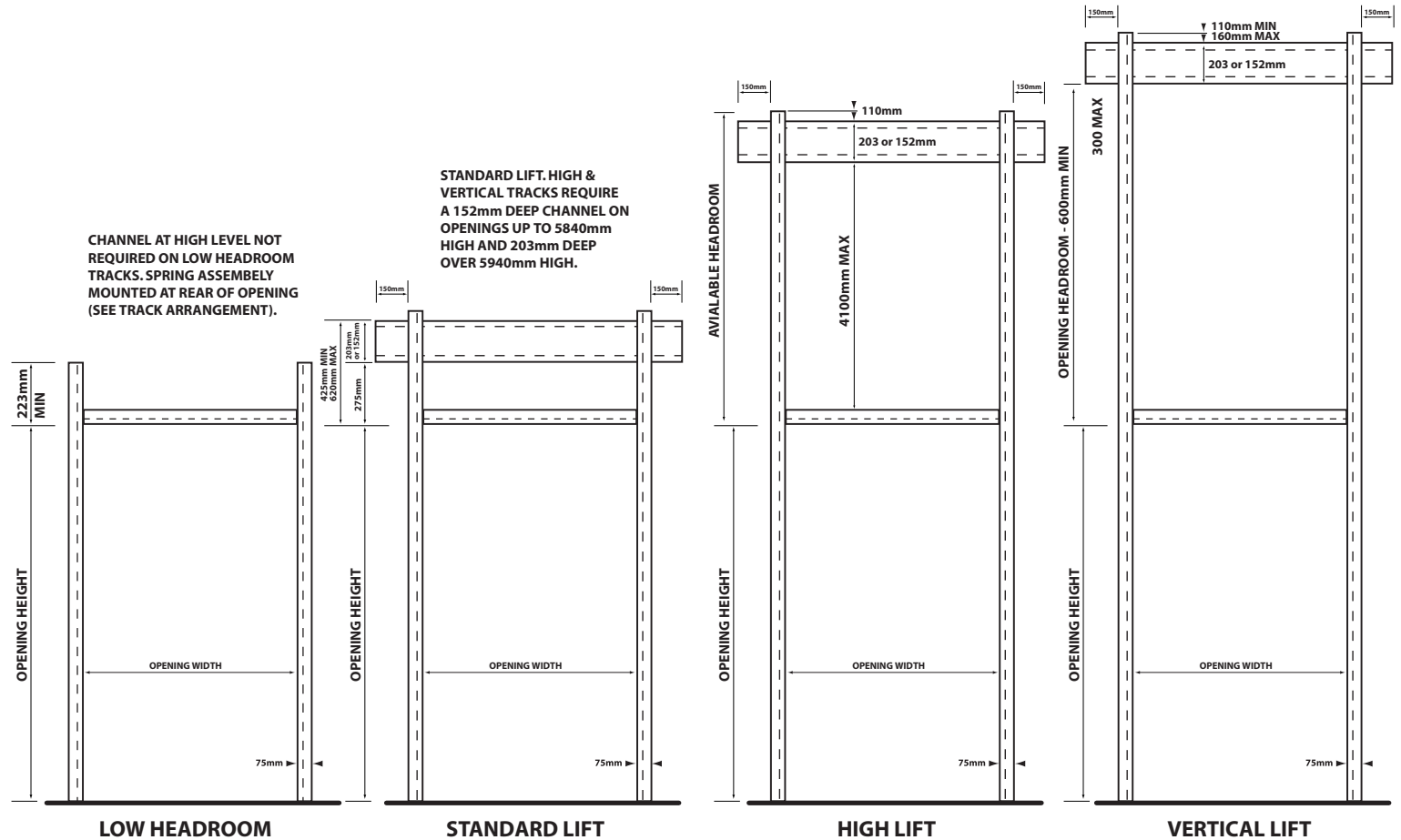


**BEST PRACTICE FOR
FINISHED FLOOR
LAYOUT TO REDUCE
RAINWATER INGRESS**

- **IF A BRUSH SEAL IS REQUIRED AT THE HEAD OF THE OPENING SHUTTER TO STOP AT LEAST 50 DOWN FROM THE TOP.**
- **'REVERSE COIL' SHUTTER FITTED EXTERNALLY GENERALLY REQUIRE LARGER SHUTTER BOXES DUE TO INCREASED COIL SIZE.**



SECTIONAL DOOR ARRANGEMENTS

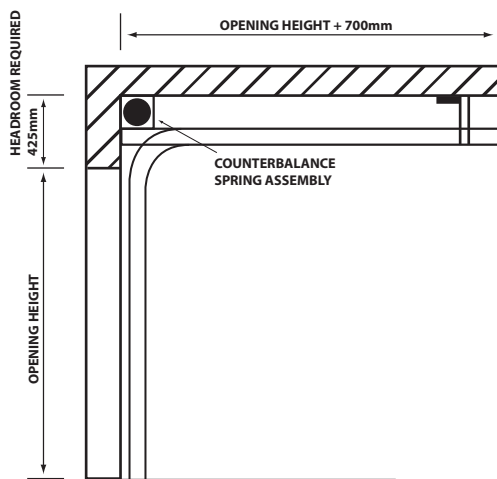


OPENING REQUIREMENTS

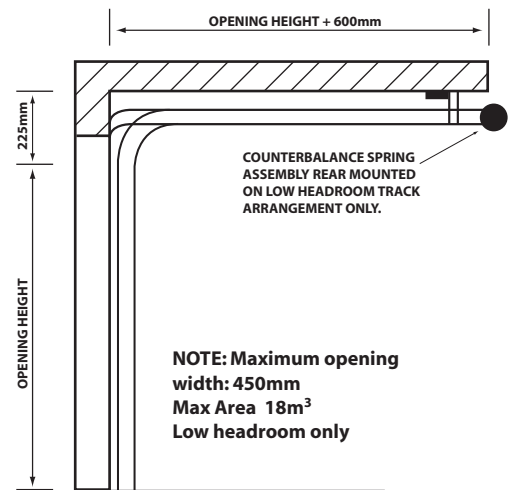
PLEASE NOTE: A Suitable channel is required across the full width of the opening at high level on all openings and track arrangements (other than low headroom) to support counterbalance spring assemblies.



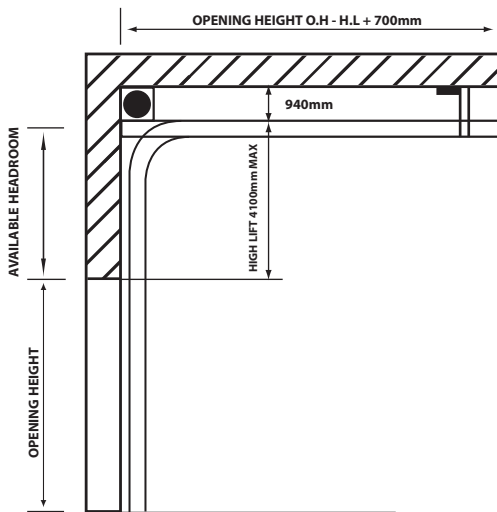
SECTIONAL DOOR ARRANGEMENTS



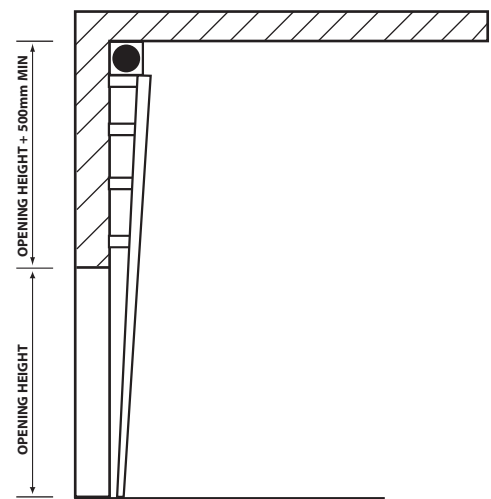
STANDARD LIFT



LOW HEADROOM



HIGH LIFT



VERTICAL LIFT

TRACK ARRANGEMENTS

PLEASE NOTE: Minimum clearance between adjacent doors is dependent on track arrangement and position of handchain or drive motor. Please consult us for accurate dimensions.

PLEASE ENSURE ALL OPENINGS ARE FORMED PLUMB AND SQUARE WITH ALL INTERNAL FACES FLUSH.

Doors which are installed directly on to steelwork openings provide an ideal weather seal all round. On uneven masonry openings it may be necessary for clients to provide a 125mm x 50mm timber subframe in order to give a flat even fixing surface.

GENERAL NOTES: Hand chain operation or electrical drive motors may be positioned on either the right or left hand side of the opening to suit customers requirements. When minimum headroom is not available or where there are obstructions object adjacent to the opening, it may be possible to amend the track detail or re-position the counterbalance springs or high level to suit.

Please contact us for assistance and further information.

**MINIMUM SIDE ROOM REQUIRED: PUSH UP 150mm
CHAIN OP 250mm
ELECTRICAL OP 350mm**

TRACK ARRANGEMENTS TO FOLLOW ROOF PITCH AVAILABLE.



CAMBRIDGE DOOR SERVICES LIMITED

Cambridge Door Services Limited
Unit A, 127 Mereside Industrial Estate
Soham, Cambs, CB7 5EQ, England

Tel: 01353 725000

Fax: 01353 725001

Email: info@cambridgedoorservices.com

Web: www.cambridgedoorservices.com