

Terry *Lifestyle*®

Specifying Guide

Date: 04/11/2014
ref: ED30501f



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(ED30502)

NOTES

LIFESTYLE LIFT

The Lifestyle lift has been designed for use in a domestic environment in compliance with the following Directives:

2004/108/EEC	Electromagnetic Compatibility Directive
2006/42/EC	Machinery Directive

This lift also fulfils all the relevant provisions of the following Standards:

BSEN 12015:2004	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Emission
BSEN 12016:2004 +A1:2008	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Immunity
BS5900:2012	Powered homelifts with partially enclosed carriers and no liftway enclosures - Specification

Compliance is only valid after installation and commissioning by a competent trained engineer.

Typical Installation

(Lift shown includes optional extras to standard specification including fold down seat and soft upholstery back panel)



END-USER/CLIENT AND ENVIRONMENTAL CONSIDERATIONS

Lift Location & Suitability

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- Is the lift accessible by a person at the upper and the lower level?
- Check the travel requirements against headroom available.
- Is access route to the lift position suitable to deliver the lift components?
- Do any doors, cupboards, or wardrobe doors open into lift area?
- Does the door hand suit at both upper and lower level?
- Where a lift is passing from a garage to a room within the dwelling then 30 minutes fire separation is required for integrity (passage of flame), insulation and load bearing capacity. In order to achieve these requirements a full enclosure at one level will be required, this will also enable the thermal requirements of the Building Regulations to be met.
- Is seating required?
- Will the lift restrict the everyday use of the room in any way?
- Can furniture slot in around the lift? Furniture and other obstacles should not be positioned less than 100mm away from moving parts of the lift.
- A telephone must always be specified when the user is to operate the lift whilst home alone.

Power Pack Location

- Is the Power pack location acceptable to all parties?
- Will the power pack location restrict access if fitted in passageway etc?
- Power pack can be located internally or externally. If internal, ensure location is suitable for access and noise containment.
- Will power pack be located adjacent to a neighbours property?
- Is the hydraulic pipe run acceptable? (If surface mounted, advise client of where the trunking will be fitted). Note that the minimum bend radius of the hose is 90mm and neat external corners are not possible.

Structural Considerations

- Are both of the upper and lower floors level to within +/- 10mm measured over a running length of 1500mm?
- Are the walls and lower floor strong enough to take the lift loadings?
- Will the cutting of the aperture affect the integrity of the floor?
- Are there any radiators/water or gas pipes adjacent to lift position? Any potential for pipe work fouling aperture?
- Who is submitting the Building Notice to Building Control?
- Are guide infill panels required at upper or lower level

Electrical Considerations

- Is meter location clearly highlighted on site plan?
- Is client aware of possible trunking run to lift power point position?
- Do electrical or TV aerial sockets have to be repositioned or blanked off?
- Are there any ceiling lights in the lift area that may foul the lift?
- Does the house have old wiring and is it earth bonded?
- Is there any wiring through the area where the aperture is to be formed?
- Is a card or coin meter currently fitted?

Installation Day Considerations

- What is access like to the house (Van parking and carrying lift parts)?
- What are the walls like for drilling in to? Will the wall accept expansion or resin anchors?
- Is there 50mm clear around 3 sides to skirting / coving etc (eg no pipes and cables)
- Are positions of wall stations clearly identified?
- Is there an electrical supply for power tools?
- Will there be other contractors on site?
- Who is going to do the preparation work?
- Will the user be available for the lift demonstration and hand over?

Weights and sizes fully boxed for shipping

	Size	Weight
Carriage pallet	2800L x 1300W x 1600H	605kg
Power pack	580D x 590W x 950H	70kg
Guides	3400L x 410W X 410H	135kg

Weights and sizes unboxed

	Size	Weight
Carriage pallet	2700L x 1200W x 1400H	460kg
Power pack	350D x 400W x 700H	45kg
Guides	3300L x 280W X 300H	85kg

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DIMENSIONS**Standard Capacities / Travel:**

Capacity:

Carriage = 250kg (39 stone)

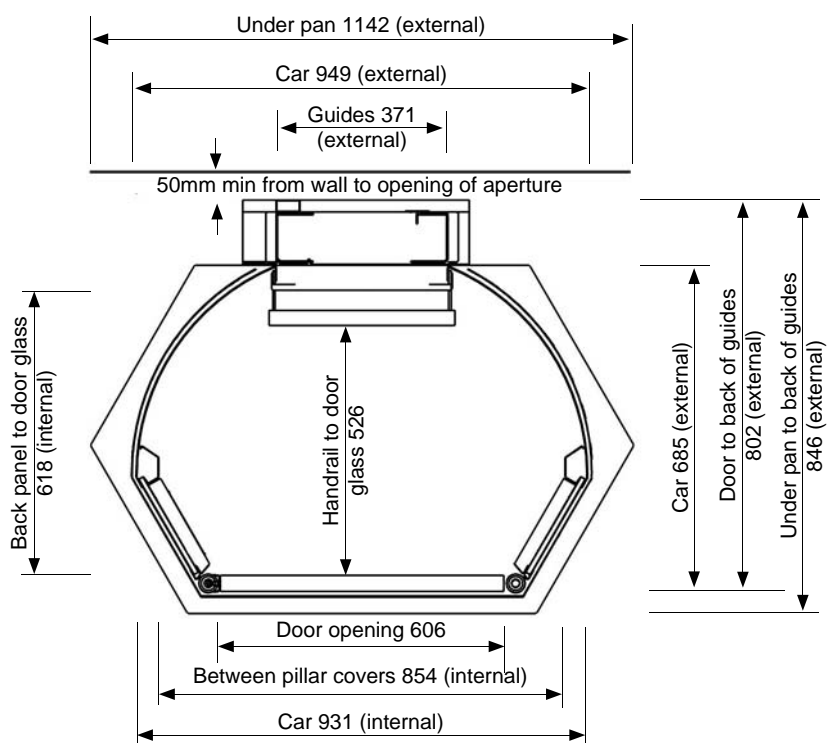
Trapdoor = 250kg (39 Stone)

NB Maximum floor covering weight which can be applied to trapdoor 6.36kg (1 Stone) evenly distributed

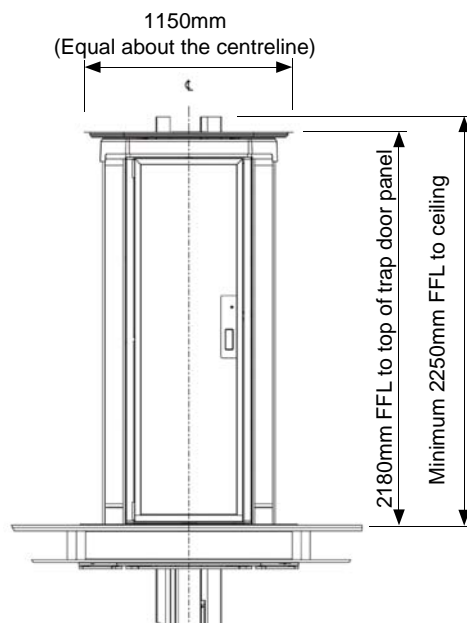
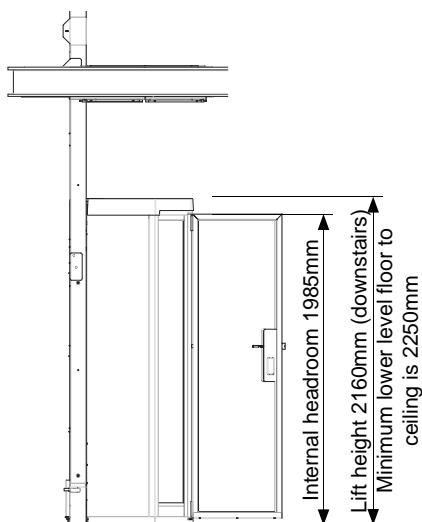
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Travel: = 3.6 metres

Speed: = 0.06 m/s

Dimensions (All dimensions in mm)

NOTE Min dimension from back wall and any side wall is 50mm to edge of structural opening of aperture.



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TECHNICAL SPECIFICATION

Hydraulic drive system provides the following benefits:

- Exceptionally smooth and quiet operation by virtue of remote power unit
- Inherent safety system to guard against free fall of car
- Flexibility of installation – minimal headroom required in first floor room and guides can be installed across windows or against non-load bearing walls

Standard features are as follows:

- Designed and manufactured to BS5900:2012 as applicable. Exova Warrington Fire Research Centre assesment WF320926
- Glass panel set - clear
- Transfers on glass with 'Lifestyle' name
- Door handle push plate - stainless steel
- Ceiling plate with concealed lighting
- Back panel set - painted Silver
- Straight hand rail - brushed stainless steel
- Floor edge trim - stainless steel
- Curved car rear panels - painted white
- False ceiling (in aperture) painted white
- Wireless control stations in car and at both floors which include direction, stop, and door open/close controls. Car station has a stainless steel touch sensitive panel and the upper and lower call station controls are in a white moulded casing. **NOTE: any wifi units / low energy light bulbs can effect the wireless call stations performance (it may be neccessery to repostion routers / change bulbs). In addition non standard floor constructions or finishes may effect the wireless performance e.g. concrete floors, foil backed insulation, under floor heating.**
- Top cap - painted white
- Carpet - Charcoal
- Customer supplies own flooring material
- In the event of power failure battery back up system allows operation of car in the down direction by normal controls with all safety systems in operation
- Wipe-clean finish
- Standard colour RAL9016 (white)
- The car is fitted with LED lighting with adjustable brightness and time delay which switches on when lift is called. By pressing and holding the stop and up buttons, the lights will automatically sequence through the different intensity levels. When the desired level is reached, release both buttons.

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NOTES**Available options:**

- Back panel set - painted Sandstone
- Back panel set - painted Gainsborough
- Back panel set - painted Claret
- Back panel set - upholstered - Silver
- Back panel set - upholstered - Sandstone
- Back panel set - upholstered - Lupin
- Back panel set - leather upholstered - Rosso
- Light Oak Effect Flooring
- Carpet - Biscuit
- Carpet - Mocha
- Curved handrail kit - brushed stainless steel (not with folding seat)
- Hand held remote control
- Remote fob (locking) isolating.
- Wireless and hard wired smoke alarms
- Push button car controls in stainless steel with black Terry name
- Push button call station in flush mounted brushed stainless steel panel
- Guide rear infills
- Special wall fix bracket kit (corner aperture)
- Bespoke upholstery and or RAL colour for car and guides
- Upholstered folding seat - Silver
- Upholstered folding seat - Sandstone with opposite handrail
- Upholstered folding seat - Lupin with opposite handrail
- Leather upholstered folding seat - Rosso with opposite handrail
 - Seat size 400mm x 400mm
 - Standard height is 500mm from top of seat to floor
 - Max user weight 125kg. If a greater seat capacity is required, it will be a fixed seat 'special' - to be referred to manufacturer.

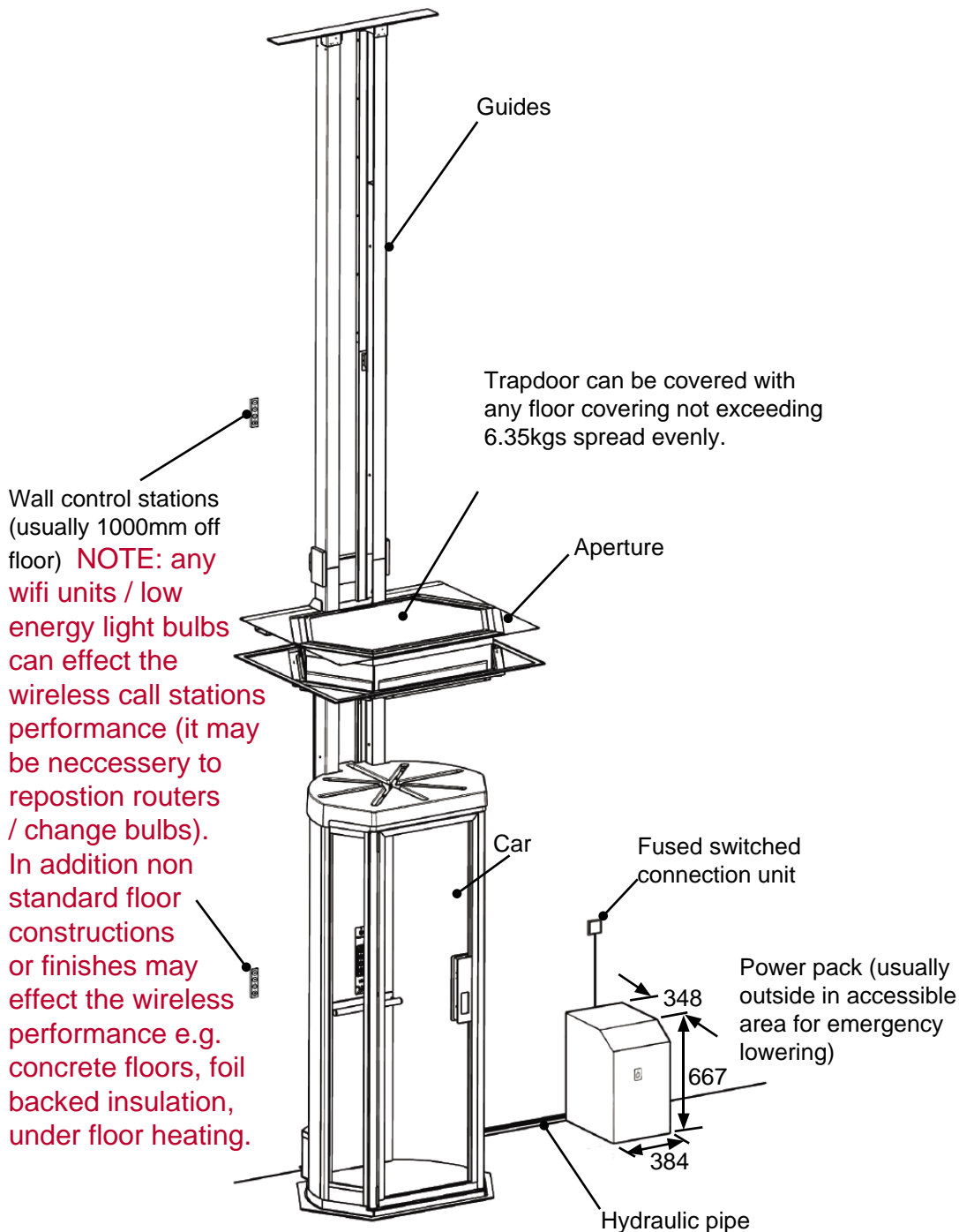
Available kit finishes:

Kit	Paint & Fabric	Seat	Flooring	Call Stations	Hand Rail
LS1	White interior & exterior with silver upholstered centre console	No	Charcoal carpet or finish to be provided and fitted by others	White touch sensitive car and landing call stations	Full, curved stainless steel
LS2	White interior & exterior with silver upholstered centre console	Yes	Charcoal carpet or finish to be provided and fitted by others	White touch sensitive car controls with flush mounted stainless steel landing controls	Curved stainless steel opposite seat
LS3	White interior & exterior with sandstone upholstered centre console	Yes	Biscuit carpet or finish to be provided and fitted by others	White touch sensitive car controls with flush mounted stainless steel landing controls	Curved stainless steel opposite seat
LS4	White interior & exterior in RAL colour of your choice with silver or sandstone upholstered centre console	No	Choose from standard range or finish to be provided and fitted by others	Flush mounted stainless steel car and landing controls	Full, curved stainless steel

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GENERAL REQUIREMENTS



NOTES

- 240v dedicated power supply, **protected by RCD conforming to BS7671**, terminating in a 13 amp switched fused connection unit. Fused spur to be sited at the same level as the power pack and in accordance with survey drawing. It must be located in a position to enable it to be switched on and off when the lift car is parked at the lower level.
- 1 x duct from the lower left hand guide position, 200mm up off the ground. This goes back to the power pack. 65mm duct if swept elbows / 45mm duct if straight run. 1 x 20 mm duct from the spur to the power pack.

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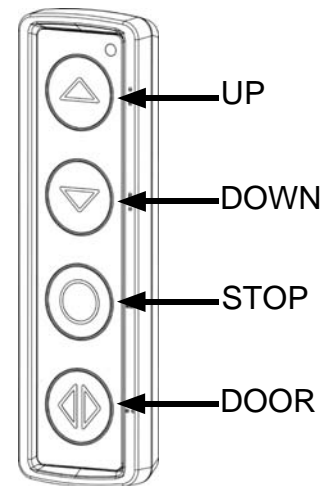
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CONTROLS AND OPERATION

Wireless control stations, consisting of up, down, stop and door controls are provided at each floor served and in the car.

The lift can be isolated by using the optional remote control fob. When the lift is 'isolated', none of the control stations will function. The control stations can only be activated by using the remote fob. When the lift is activated, the coloured indicator lights in the car will illuminate.

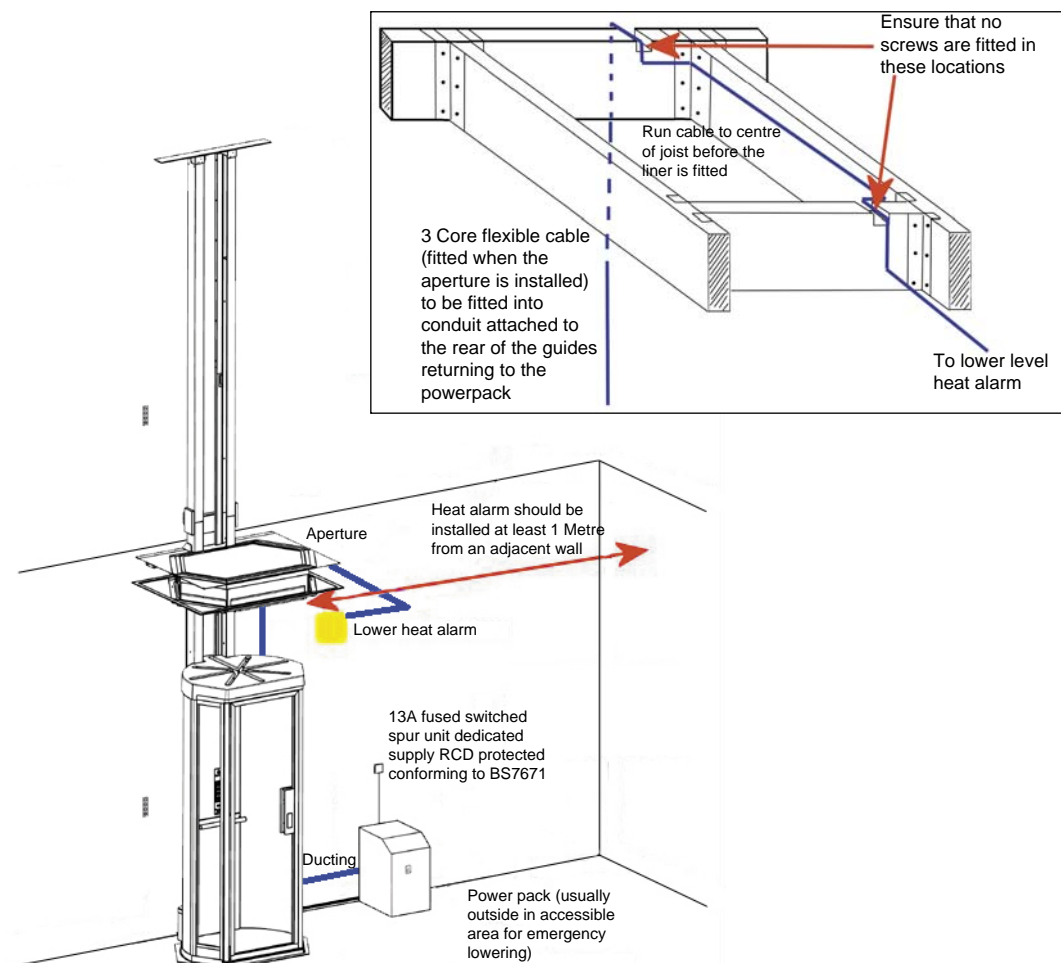
The lights in the car will switch on automatically when any call button is pressed & will automatically turn off after a few minutes. (Time delay adjustable on call station controls).



The recommended installation height above floor level for the wireless wall control stations is 1000mm.

See pages 7 and 8 for standard and optional wireless control station details.

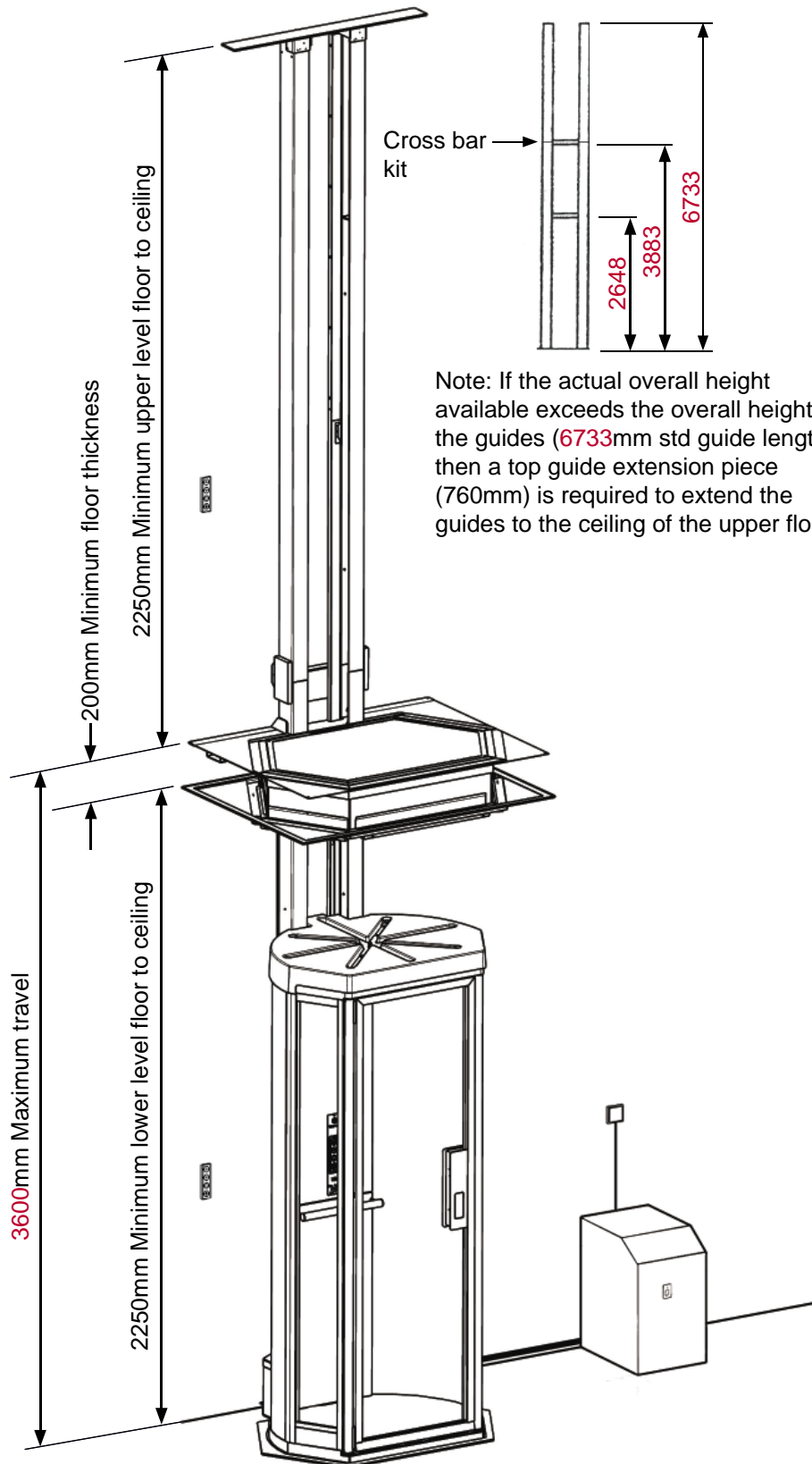
HARD-WIRED SMOKE ALARM WIRING ROUTE FOR THE INSTALLATION UTILISING THE LIFTS POWER SUPPLY



(ED30508C)

NOTES

MINIMUM HEADROOM REQUIREMENTS



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If floor thickness is less than 200mm 'Build Down' the ceiling accordingly.

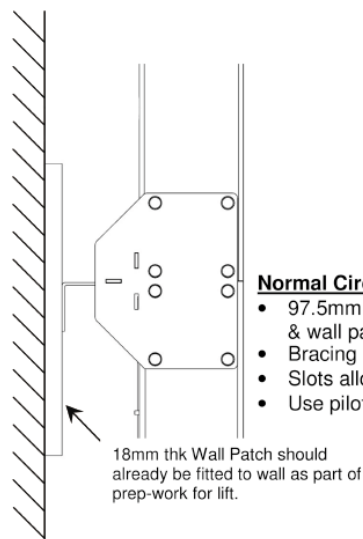
DOWNSTAIRS WALL PATCH FOR ALL INSTALLATIONS GREATER THAN 3.0M

The diagram shows a rectangular patch on a ground floor. The patch is labeled 'PATCH' and is centered under a larger rectangular area labeled 'APERTURE'. The distance from the ground floor to the patch is labeled (A). The width of the patch is labeled (B). The width of the aperture is labeled (C). The ground floor is labeled 'GROUND FLOOR'.

Height in mm to centre of patch (A)	(B)	(C)
2620mm	300mm	360mm

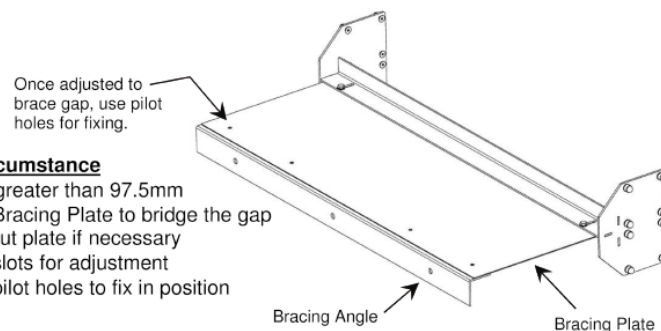
PLEASE NOTE:
If ground floor to ceiling height is < 2750mm a special set of lower guides will be required.

The lower guide brace kit on long slings can accommodate situations where the wall is up to 340mm away from the rear of the aperture. If the distance is greater than this, a special bracing kit will be required.



- 97.5mm or less between rear of guides & wall patch
- Bracing Fish Cross Bar with Bracing Angle
- Slots allow for adjustment within this gap
- Use pilot holes to fix bracing angle in position

- Gap greater than 97.5mm
- Use Bracing Plate to bridge the gap and cut plate if necessary
- Use slots for adjustment
- Use pilot holes to fix in position

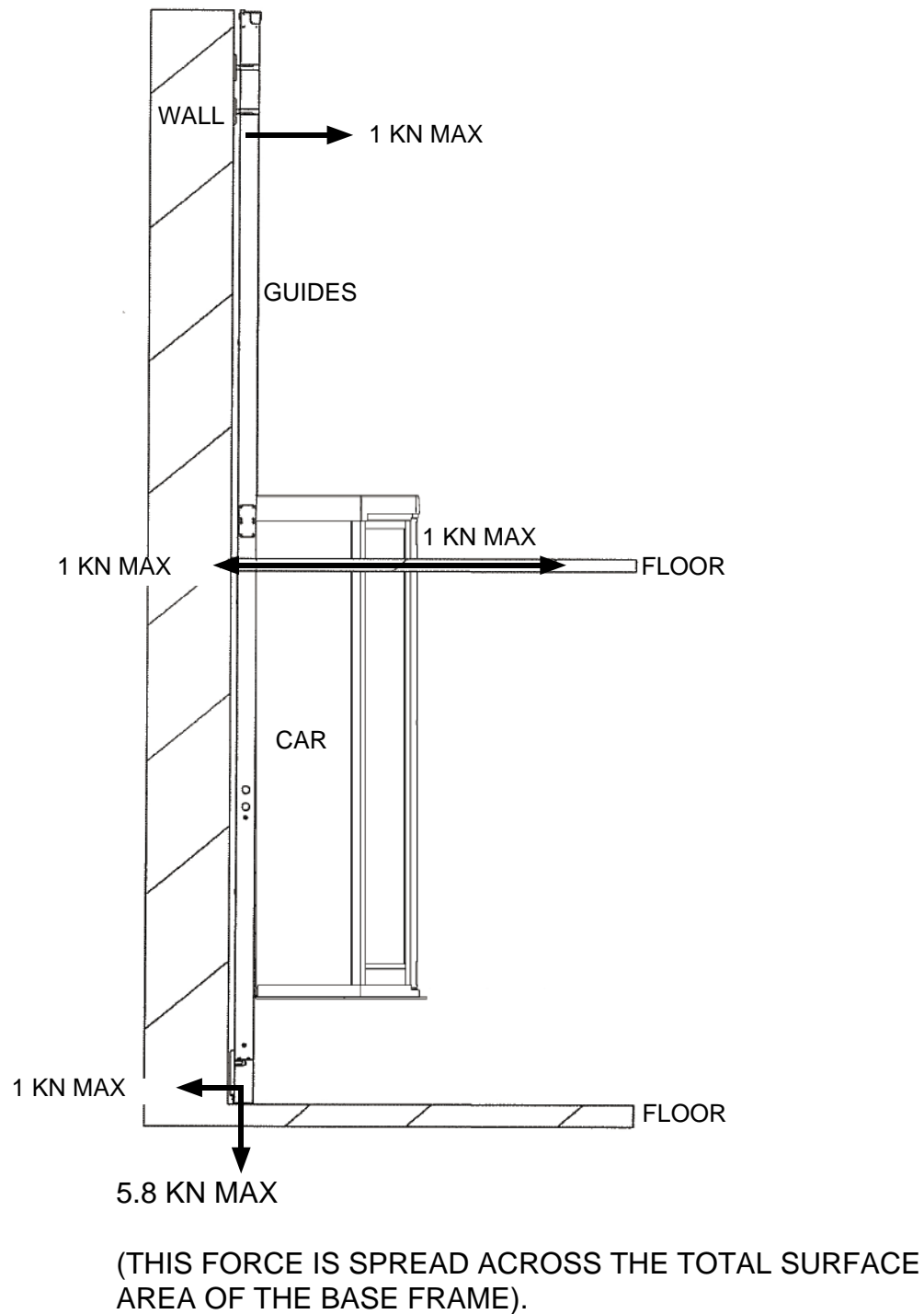


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NOTES

LOADING DIAGRAM



NOTES

(ED30510A)

INFILL PANELS

If the gap between the rear of the guides and the wall exceeds 200mm then infill panels will be required.

In addition the following options could be employed at additional cost.

- False wall (by builder or other)

NOTES:

The surveyor must ***always*** make their own risk assessment dependent on other occupants within the house and specify suitable protection.

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NOTES

UPPER GUIDE CEILING / WALL FIX

Upper guides are either fixed through the ceiling or braced back to the wall - or in special cases, a combination of both.

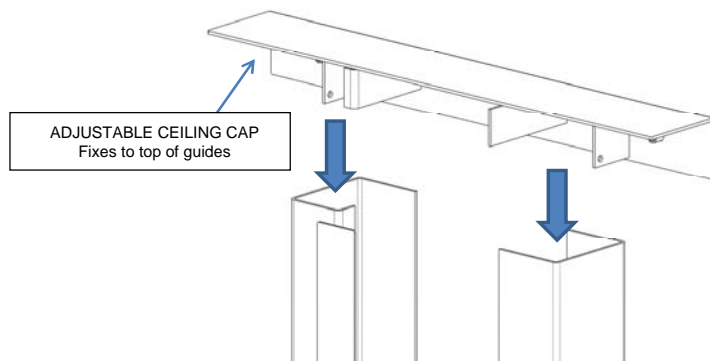
In all cases, the ceiling fix and wall fix kit should be chosen at time of order, as they will not be packed with the lift unless they have been specified.

If the actual overall height available exceeds the overall height of the guides, then a top guide extension piece is required to extend the guides to the ceiling of the upper floor. This must be specified at time of order.

It is essential that the ceiling kit is secured to ceiling joists of the upper floor that are capable of supporting the loading details detailed on the loading diagram (page 12).

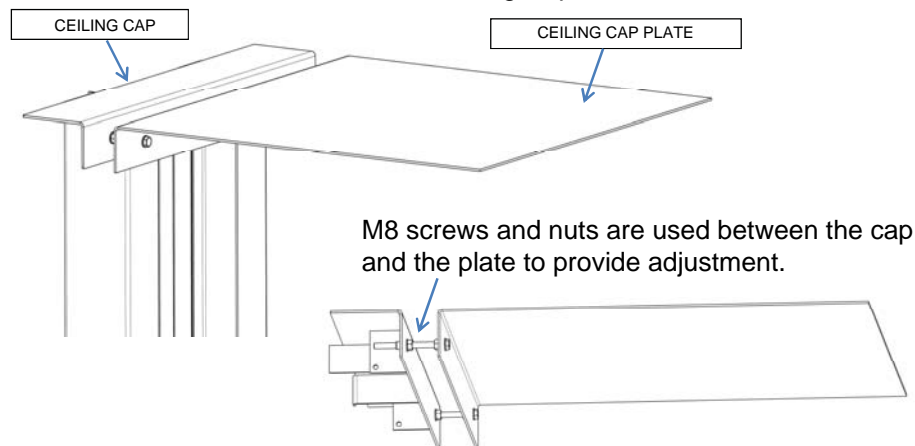
Ceiling Fix - (Square or corner aperture)

This method accommodates 'front to back' joists and 'left to right' joists. It also allows the guides to be adjusted so they are true and square.

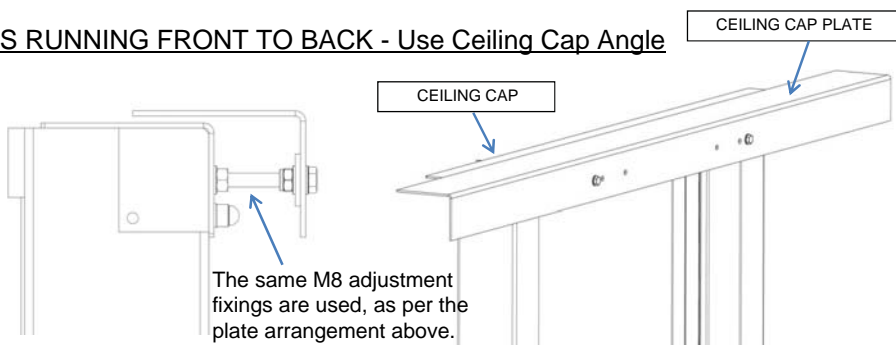


Within each kit are a ceiling plate and ceiling angle. Either one can be used, dependent on the layout of the joists. In all cases a minimum of 4 fixings must be used to secure to joists.

JOISTS RUNNING LEFT TO RIGHT - Use Ceiling Cap Plate

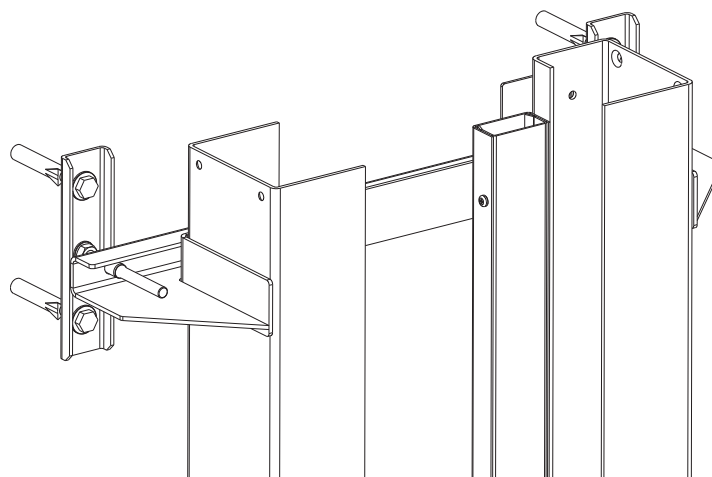


JOISTS RUNNING FRONT TO BACK - Use Ceiling Cap Angle



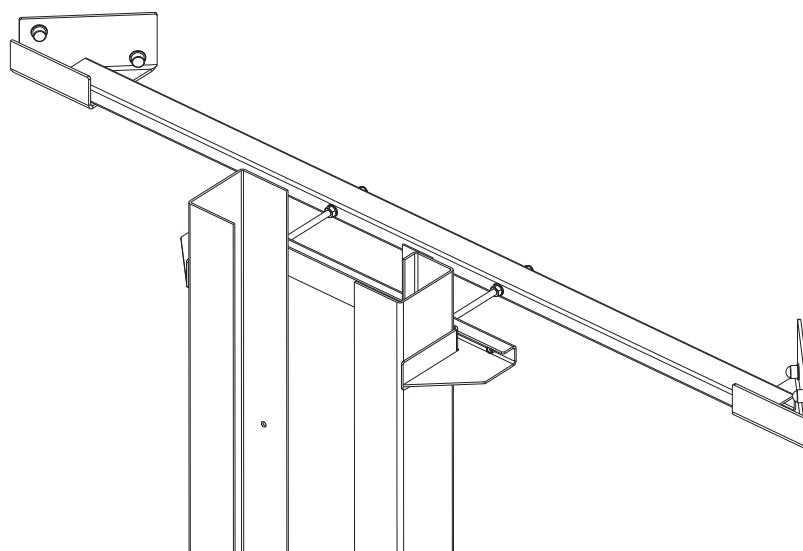
NOTES

Wall fix - (square aperture) where ceiling fix is not possible.

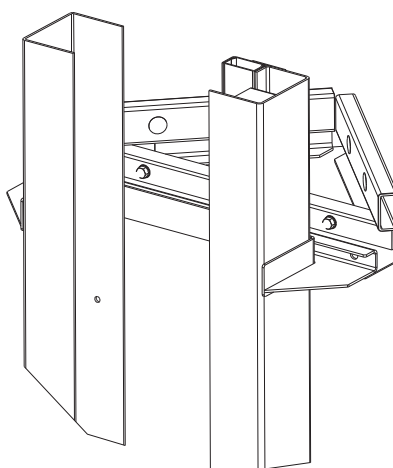


If wall fixings are to be used and the gap between the back of the guides and the wall exceeds 250mm please consult the lift provider for structural requirements.

Wall fix - (corner aperture) where ceiling fix is not possible.



Special corner wall fix - (corner aperture) where a ceiling fix is not possible and where one or both walls are short, such as in an alcove or buttress wall.



(ED30512A)

NOTES

Guide Lines for Wall Fixings

General

If it is not possible to secure the top guide e.g. due to window or within 6" of top wall, the guides must be fixed using the ceiling fix method. A minimum of 4 fixings must be used to secure to ceiling joists.

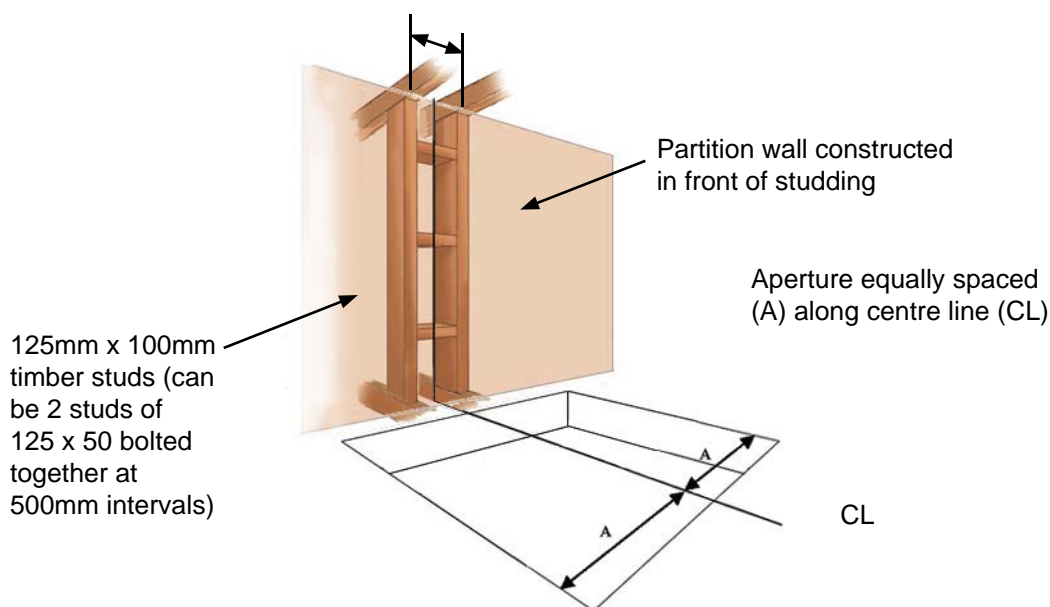
Solid Wall

The guide wall fixings must be made to a structurally sound wall.

Wooden Studded Wall

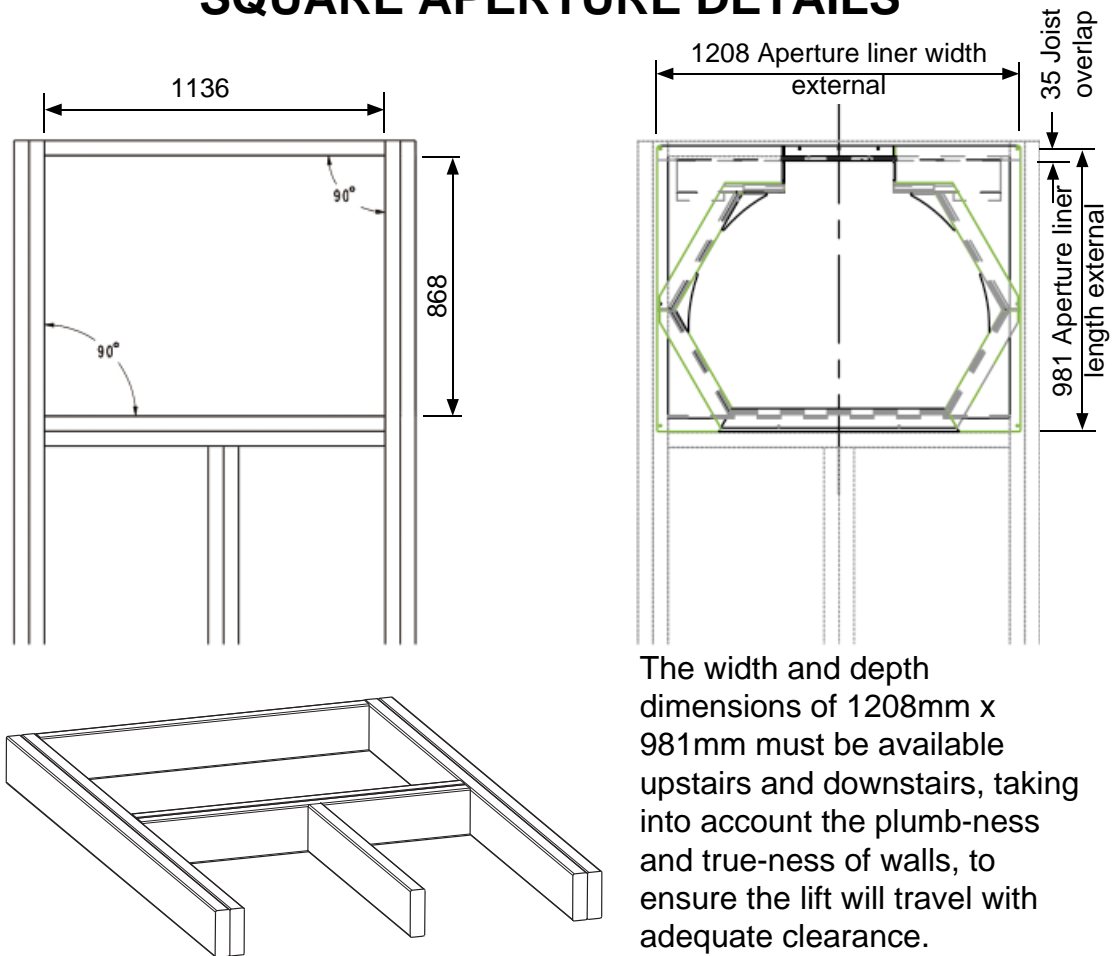
- a) If fixing to a wooded studded wall a minimum of 125mm x 100mm vertical studding is required. The studded wall should be secured at both the lower level and upper ceiling position to support the loadings' as detailed in this spec guide.
- b) To ensure adequate fixing the vertical studs in the aperture area should be spaced to correspond with the distance between fixing centres as detailed on the drawing below.**
- c) The aperture should be positioned centered on the line between the two vertical lengths of studding to which the guides are to be secured.

Distance between fixing centres: 450mm



NOTES

(ED30513A)

SQUARE APERTURE DETAILS

It is essential that the aperture be formed level. Any deviation in excess of 10mm either on the apertures length or width will result in the floor needing to be re-levelled.

Internal faces of side and back joists to be a minimum of 50mm from any finished wall / obstruction

Note A:

The Rear Wall joist must be installed at all times. It provides the main load bearing attachment support for the aperture. The joists should be hung using propriety joist hangers.

Note B:

All joists to be fitted perfectly level in all planes. The top surface of the joists must be perfectly level and square.

If the floor thickness exceeds 400mm, this must be indicated in the lift specification (min floor thickness is 200mm, max is 700mm).

Important:

Please note that the upper floor should always be cut out by the builder.

Laminate Flooring:

Please note that if laminate flooring is present upstairs, following the prep work, the laminate must not be glued down. It will be lifted by the installation engineer during installation of the upper aperture liner.

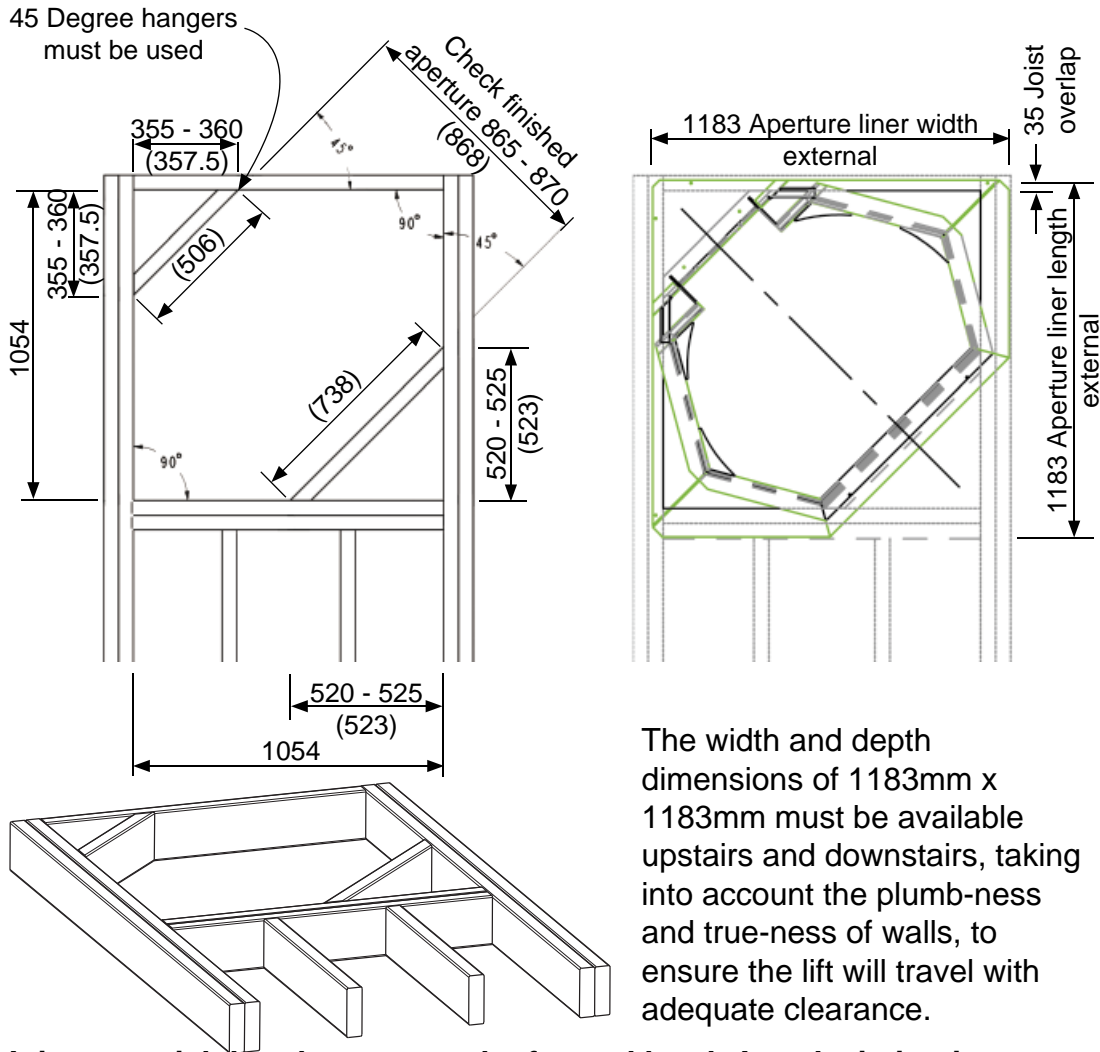
Removal of the insulating millboard on the underside of the carpet frame is permitted if laminate flooring is present upstairs.

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NOTES

CORNER APERTURE DETAILS



It is essential that the aperture be formed level. Any deviation in excess of 10mm either on the apertures length or width will result in the aperture needing to be re-levelled.

Internal faces of side and back joists to be a minimum of 50mm from any finished wall / obstruction

Note A:

All joists should be hung using propriety joist hangers.

Note B:

All joists to be fitted perfectly level in all planes. The top surface of the joists must be perfectly level and square.

If the floor thickness exceeds 400mm, this must be indicated in the lift specification (min floor thickness is 200mm, max is **700mm**).

Important:

Please note that the upper floor should always be cut out by the builder.

Laminate Flooring:

Please note that if laminate flooring is present upstairs, following the prep work, the laminate must not be glued down. It will be lifted by the installation engineer during installation of the upper aperture liner.

Removal of the insulating millboard on the underside of the carpet frame is permitted if laminate flooring is present upstairs.

*UPDATE

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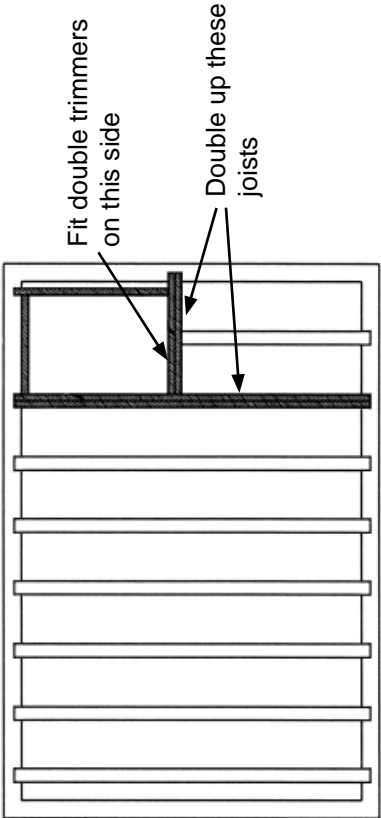
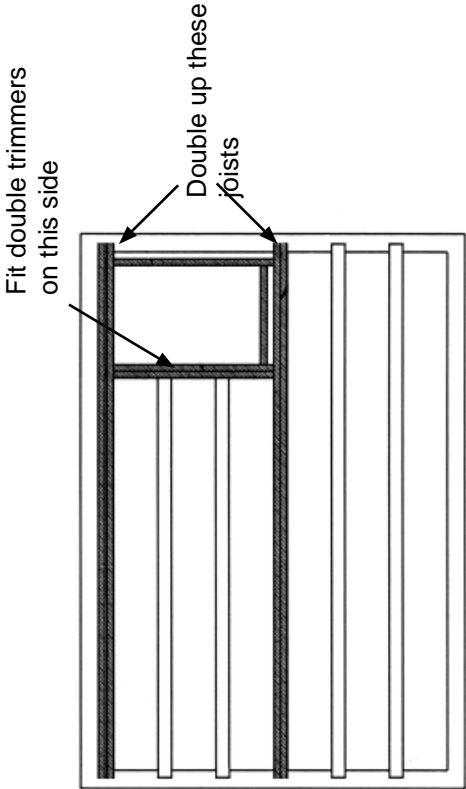
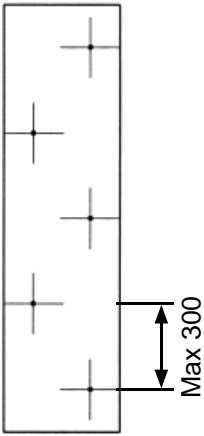
(ED30515)

DOUBLE JOIST DETAILS

Refer to TRADA 4th edition for calculation information.

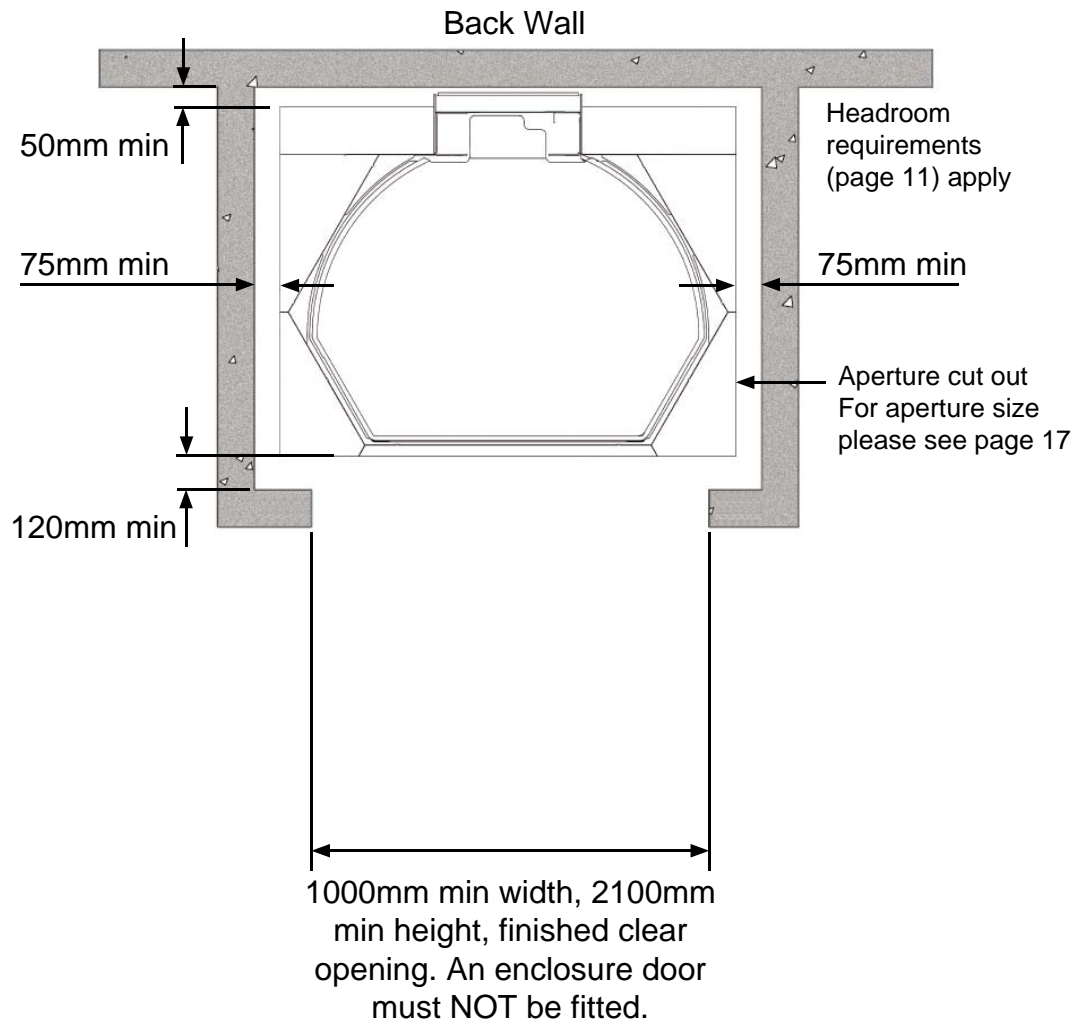
Building Contractor to ensure Building Control Approval is obtained.

Fit an additional joist of the same size, onto the first joist, i.e. double joist. This must be bolted to the original at max 300mm centres for the full length as below, use M12 bolts.

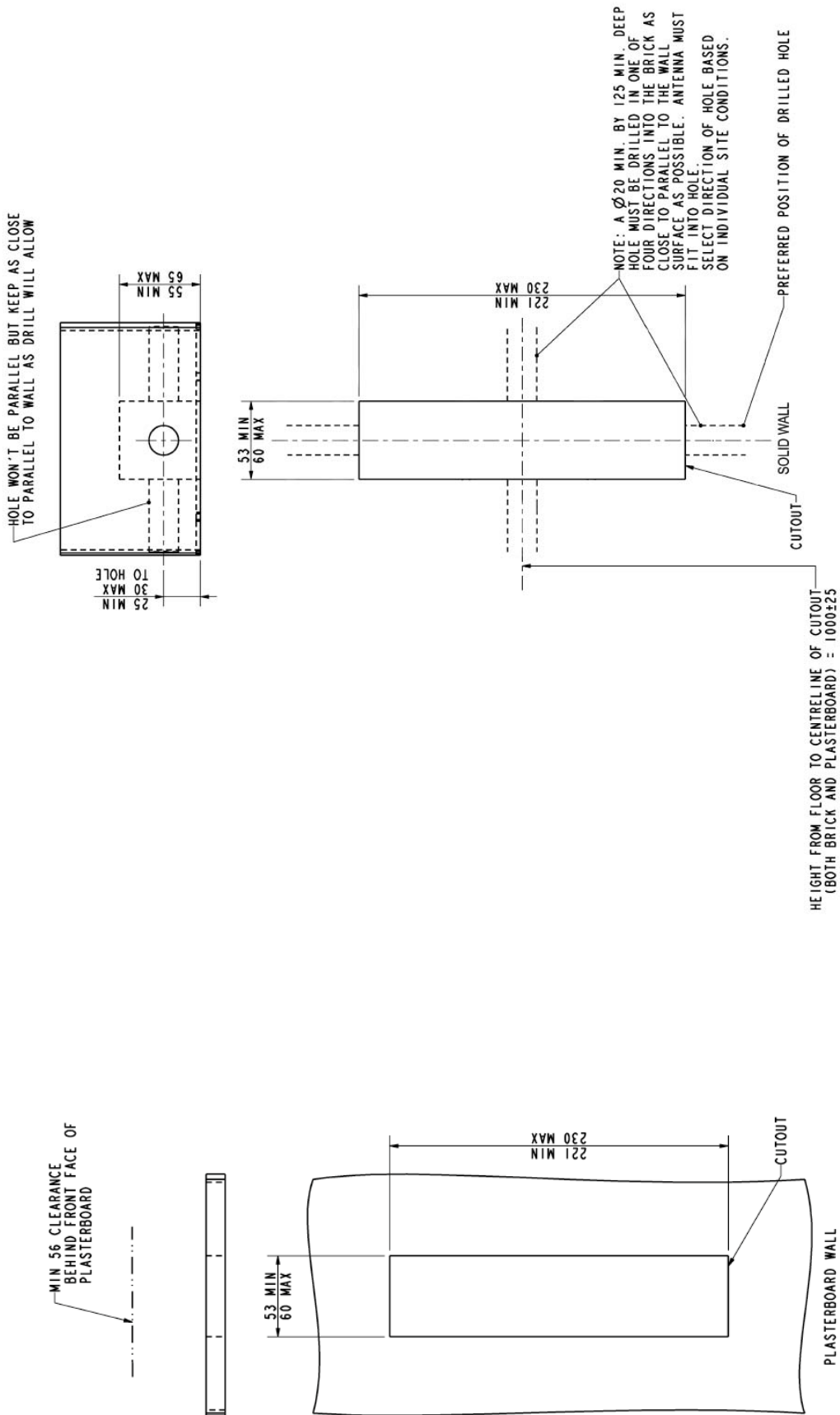


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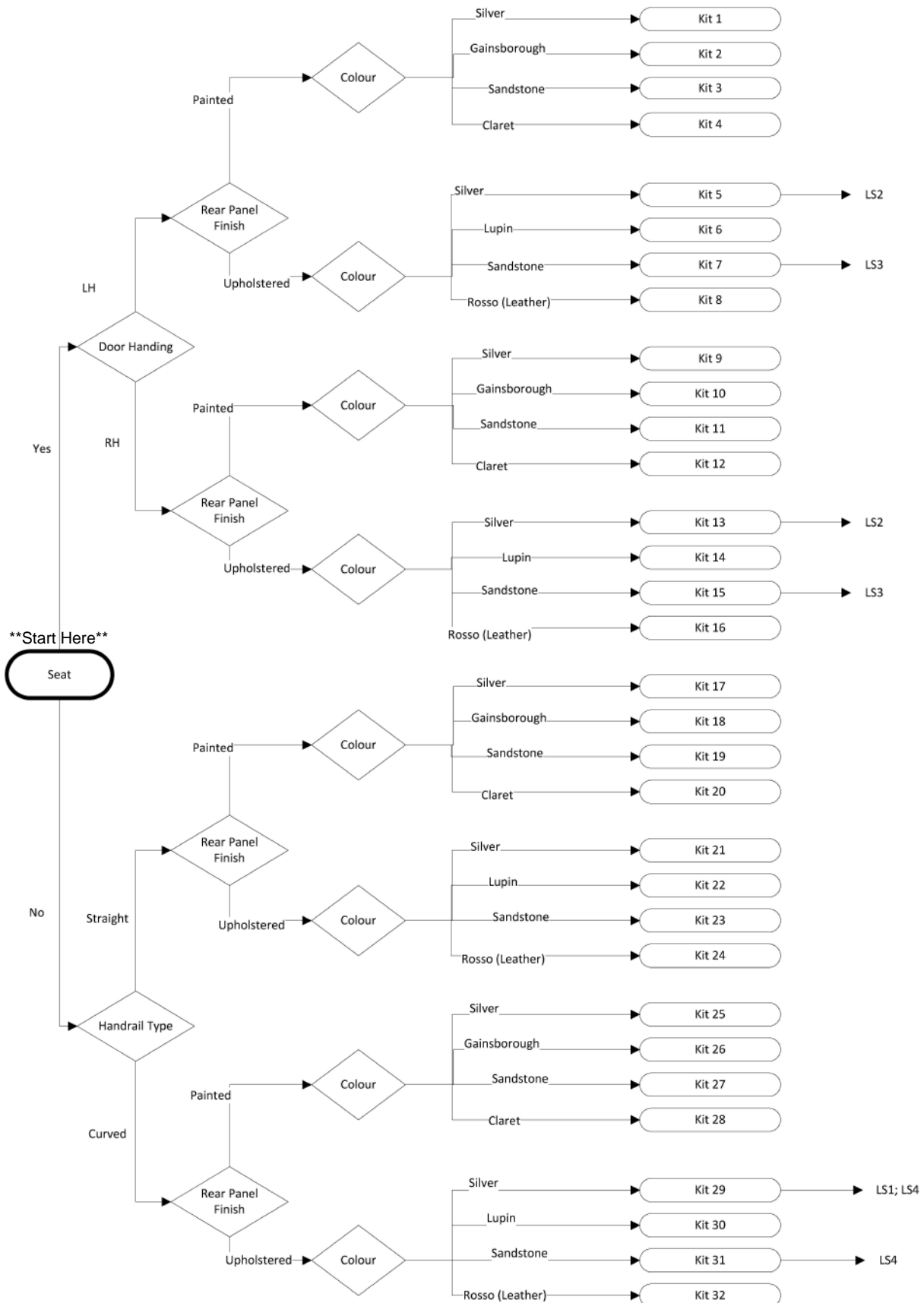
ENCLOSURE DETAILS

(ED30516)
FLUSH MOUNT CONTROL SPECIFICATION



(ED30517)

3 METRE VERSION FLOW CHART TO BE USED WITH ORDER FORM

Style packs

NOTES

(ED30518)

3 METRE VERSION FLOW CHART KIT OPTION DETAILS

Kit Number	Contains
1	LH Seat, Painted Silver Centre Console, RH Curved Handrail
2	LH Seat, Painted Gainsborough Centre Console, RH Curved Handrail
3	LH Seat, Painted Sandstone Centre Console, RH Curved Handrail
4	LH Seat, Painted Claret Centre Console, RH Curved Handrail
5	LH Seat, Upholstered Silver Centre Console, RH Curved Handrail
6	LH Seat, Upholstered Lupin Centre Console, RH Curved Handrail
7	LH Seat, Upholstered Sandstone Centre Console, RH Curved Handrail
8	LH Seat, Upholstered Rosso (Leather) Centre Console, RH Curved Handrail
9	RH Seat, Painted Silver Centre Console, LH Curved Handrail
10	RH Seat, Painted Gainsborough Centre Console, LH Curved Handrail
11	RH Seat, Painted Sandstone Centre Console, LH Curved Handrail
12	RH Seat, Painted Claret Centre Console, LH Curved Handrail
13	RH Seat, Upholstered Silver Centre Console, LH Curved Handrail
14	RH Seat, Upholstered Lupin Centre Console, LH Curved Handrail
15	RH Seat, Upholstered Sandstone Centre Console, LH Curved Handrail
16	RH Seat, Upholstered Rosso (Leather) Centre Console, LH Curved Handrail
17	No Seat, Painted Silver Centre Console, Straight Handrail
18	No Seat, Painted Gainsborough Centre Console, Straight Handrail
19	No Seat, Painted Sandstone Centre Console, Straight Handrail
20	No Seat, Painted Claret Centre Console, Straight Handrail
21	No Seat, Upholstered Silver Centre Console, Straight Handrail
22	No Seat, Upholstered Lupin Centre Console, Straight Handrail
23	No Seat, Upholstered Sandstone Centre Console, Straight Handrail
24	No Seat, Upholstered Rosso (Leather) Centre Console, Straight Handrail
25	No Seat, Painted Silver Centre Console, Full Curved Handrail
26	No Seat, Painted Gainsborough Centre Console, Full Curved Handrail
27	No Seat, Painted Sandstone Centre Console, Full Curved Handrail
28	No Seat, Painted Claret Centre Console, Full Curved Handrail
29	No Seat, Upholstered Silver Centre Console, Full Curved Handrail
30	No Seat, Upholstered Lupin Centre Console, Full Curved Handrail
31	No Seat, Upholstered Sandstone Centre Console, Full Curved Handrail



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