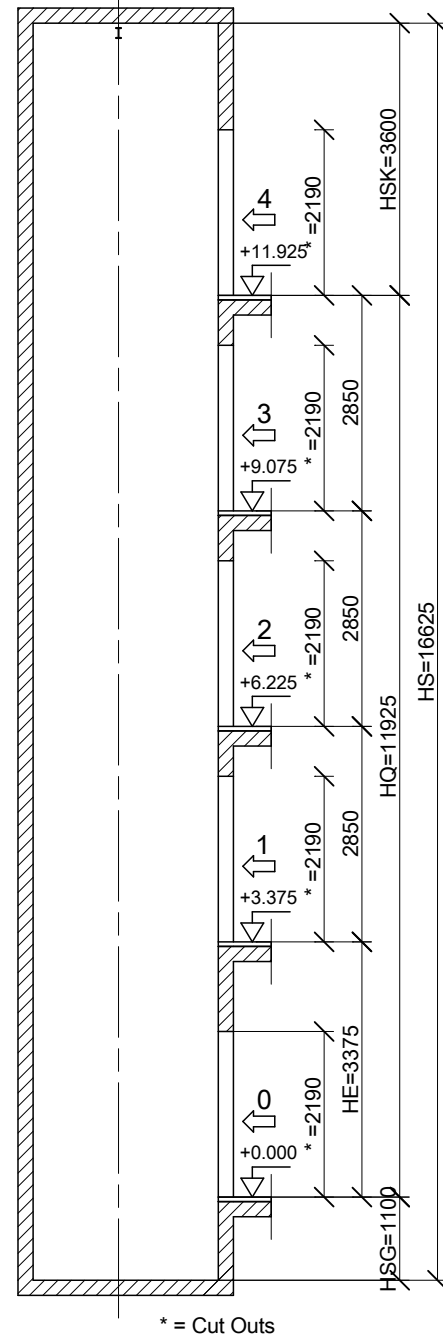
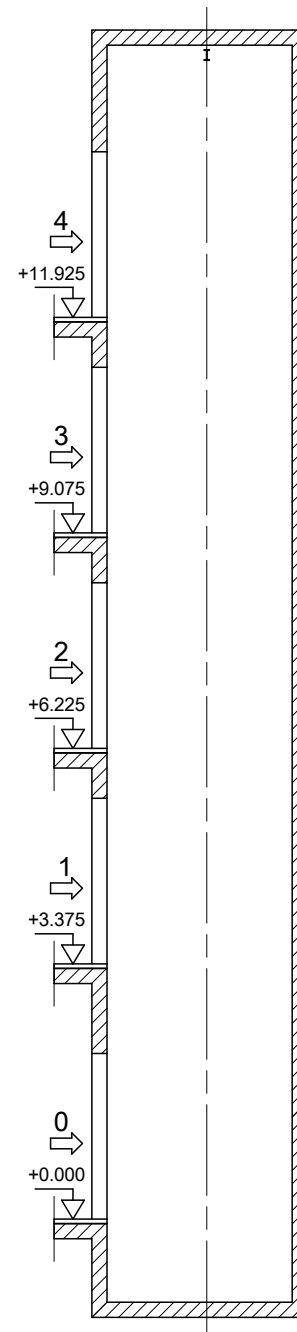


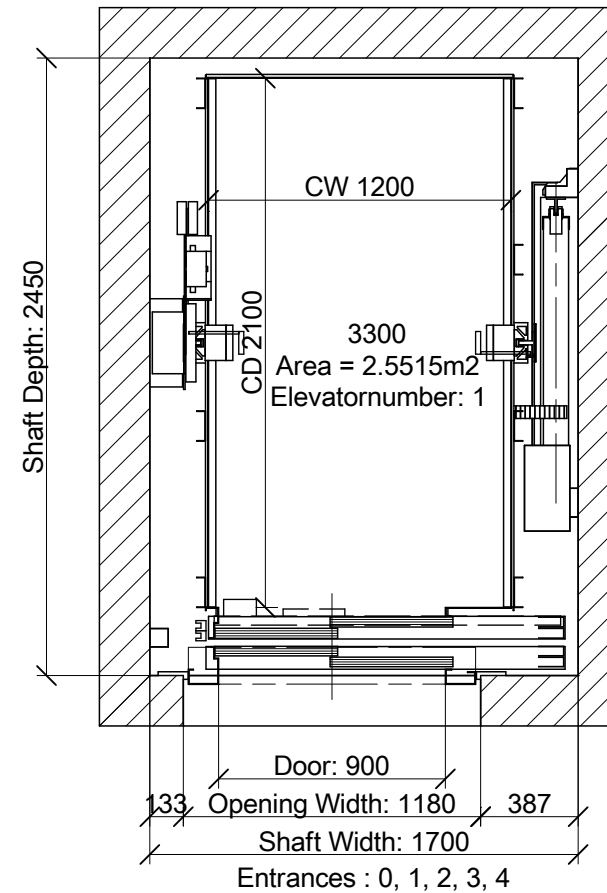
Section A-A 1:100
Refer Pg.2 for Lifting Beam Detail/Position



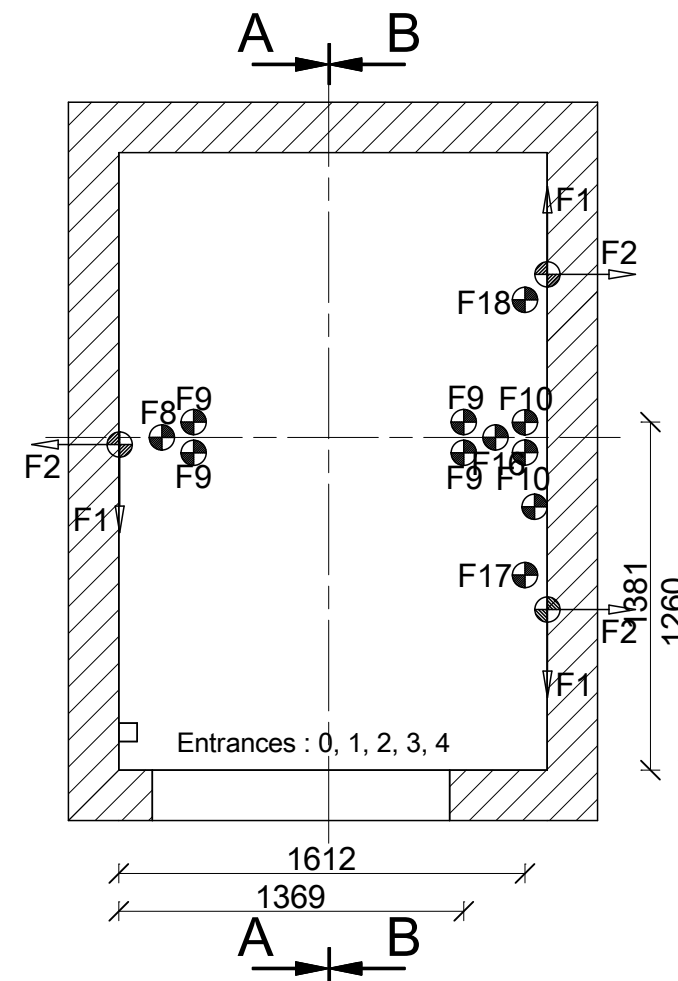
Section B-B 1:100



Lift Car Plan 1:30

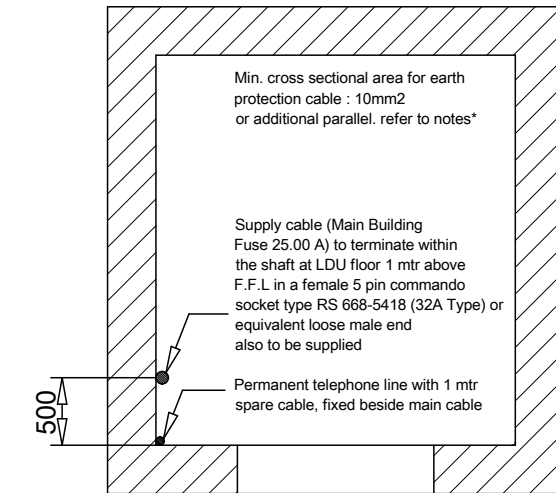


**Loadings On Pit
& Well Walls 1:30**



Electric Key Plan

Not To Scale



*According to standards HD 60364-5-54:2007 §543.7 and EN50178:1997 §5.3.2.1, due to the high leakage current the minimum cross-sectional area for the protective earth conductor is 10mm2 or an additional parallel earth conductor having the same cross sectional as the protective earth conductor in the main supply cable shall be provided.

Ind.	Modification	Name	Date

Loads (N)				
F1 = 1918	F5 =	F9 = 20601	F13 = 22500	F17 = 22500
F2 = 5334	F6 =	F10 = 33119	F14 = 22500	F18 = 22500
F3 =	F7 =	F11 = 26900	F15 =	
F4 =	F8 = 26900	F12 = 61600	F16 = 61600	
Load F8 + F16 only in case of operation of the safely gear. In case of MRL F6 is an internal system load .				
Loads F9 + F10 in case either car or counterweight lands on the buffers.				

ELECTRICAL DATA :			
Nominal Voltage (V)	3x400 V +N+PE	Main fuse (building) SIH	25.00 A
Main frequency (Hz)	50 Hz	Nom. power of installation SN	7.70 KW
Voltage and frequency deviation	+10/-10 %	Min. cross of supply cable	6.0 mm2
Power supply for light (V)	230 V	Max. length of supply cable	141 m
Nom. current of installation INN	21.00 A	Max. cross of supply cable	10.0 mm2
Start. current of installation INA	27.0 A	Max. length of supply cable	235 m

BUILDER'S WORKPLAN

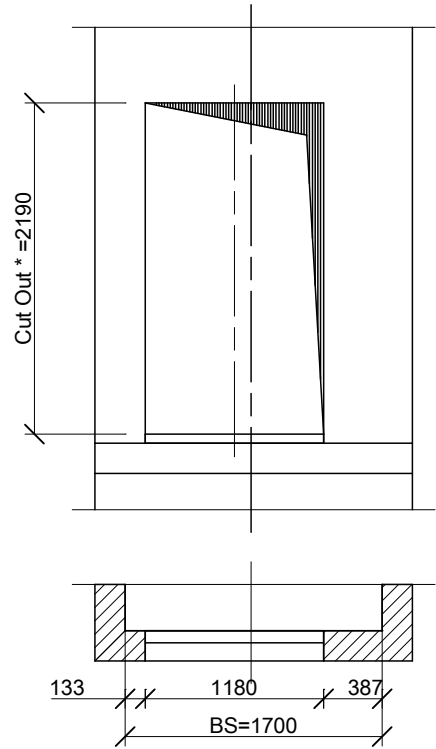


Installation place	Golden Cross PH Lift 1: Botell Lane UB3 2AD Hayes
Client	PMC Construction & Development Serv 106 Queens Road PO2 7NE Portsmouth

 Schindler Limited Benwell House / Green Street TW16 6QS Sunbury-on-Thames Tel: 01932 758100 Fax: 01932 758 258		Further inquiries concerning this plan on			
		Tel: 01932 758100		Fax: 01932 758 258	A3
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Entrance Structural Cut-Out 1:50

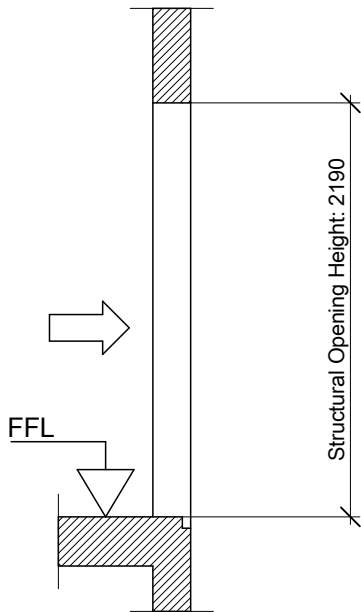
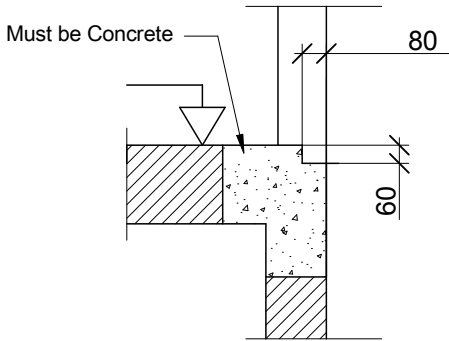
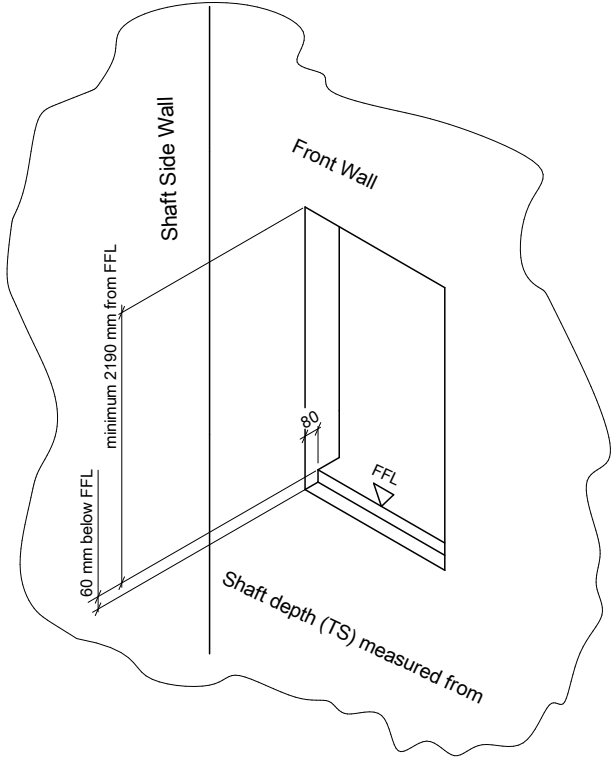
(View from landing side)



Recess Detail

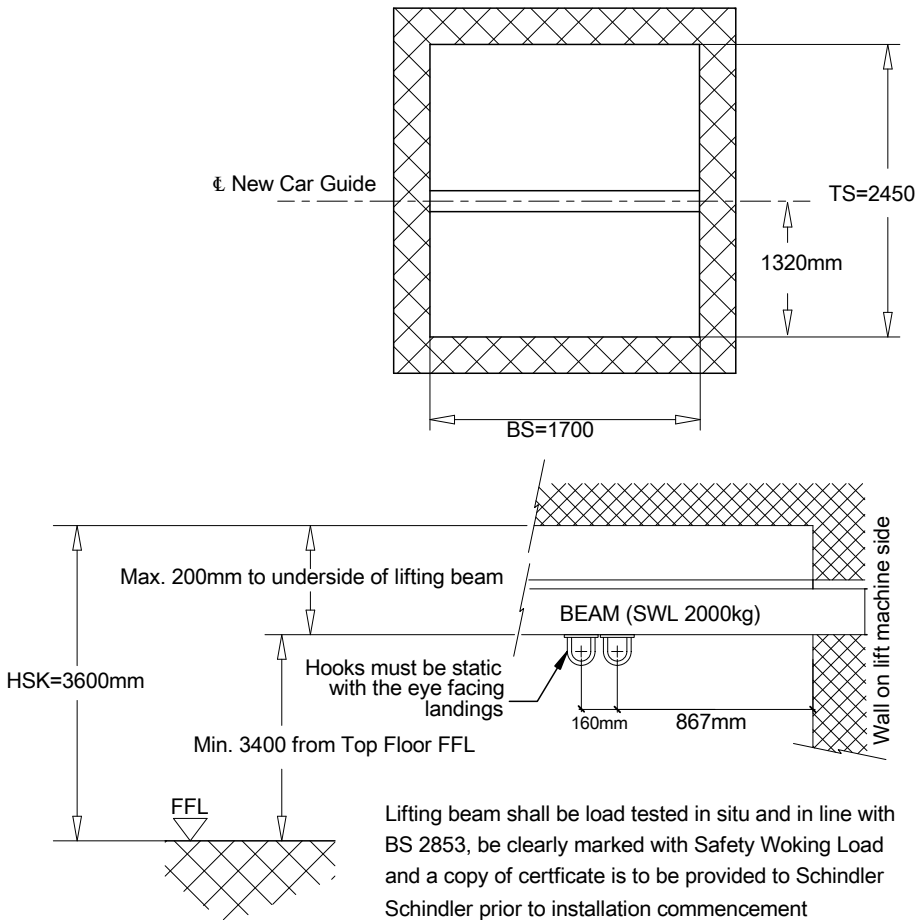
Not to scale

View from inside shaft



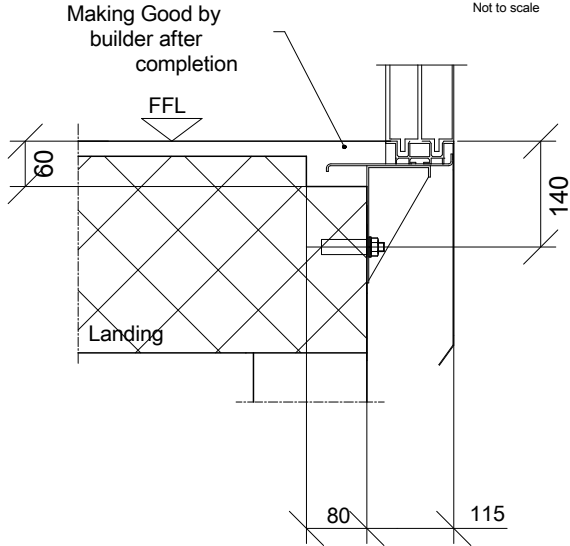
Lifting Beam Detail

Not to scale



Door Sill Detail

Not to scale



BUILDER'S WORKPLAN



Installation place Golden Cross PH
Lift 1: Botell Lane UB3 2AD Hayes

Schindler Limited
Benwell House / Green Street
TW16 6QS
Sunbury-on-Thames

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BUILDER RESPONSIBILITIES

Requirements Prior to site start of lift installation:

1. Form Pit to BS 5655 Part 6, Cl 3.3.13 and EN81-1 Cl 5.5. Floor to be reinforced as necessary to sustain maximum reaction forces.

2. When pit floor is not extended to Terra Firma or there are voids below pit, there needs to be fitted a pier to solid ground below counterweight buffer, position shown on PLAN NO .201/01.

3. Form watertight and weatherproof lift well, pit and landing areas.

4. Form lift well, plumb and square to dimensions detailed on these drawings, subject to the structural limits defined in BS 5655, Part 6, Clause 3.2.3.

5. Walls to accommodate the loads imposed on bolt fixings, see PLAN NO .201/01. (F1 & F2) and to comply to EN81-1, Clause 5.3.1.1 and to be constructed from high density concrete block (NOT Thermalite/lightweight/hollow) or concrete. Walls must be suitable to take M12/M16 anchor or rawl bolts. 10kN block is recommended. We do not accept steel frame shafts or brick unless specified at point of sale . Minimum wall thickness 140mm (typical embedment depth 100mm)

ANCHOR BOLT : TYPE HSA M12x100, Part id. 995 039 (For non-cracked concrete wall, new building shaft)

ANCHOR BOLT : TYPE HST M12x115, Part id. 996 989 (For cracked concrete wall, existing building shaft)

CHEMICAL ANCHOR BOLT* : TYPE HIT-V-5.8 M12x110, Composite Sleeve HIT-SC 18x 85, Injection Mortar HIT-HY 70, Washer ISO7093 1-12-140HV-A2K Part Id.995569,995570,995087,290282 (For Brick full or hollow)

*Four Chemical anchor bolts are to be used for S3100 with SG=178mm and 278mm, S3300/S6300 with GQ=675 kg and SG=178mm
Hook Bolt with NUT : TYPE M12x40 Part id. 298940,292789 (for Anchor Rail type 40/22)

For T-Z Brackets

ANCHOR BOLT : TYPE HSA M16x120, Part id. 995 050 (For non-cracked concrete wall, new building shaft)

ANCHOR BOLT : TYPE HST M16x140, Part id. 996 534 (For cracked concrete wall, existing building shaft)

CHEMICAL ANCHOR BOLT : Not allowed for T-Z brackets

Hook Bolt with NUT : TYPE M16x40 Part id. 298942,292790 (for Anchor Rail type 40/22)

accordance to Document J43102588 Brackets Wall Fixation Selection

6. The front wall(s) of the shaft to be vertical and flush without recesses and to comply to EN81-1. All recesses and ledges to be covered or infilled to comply to loads defined in EN81-1, Clause 5.3.1.1.

7. All measurements are to finished surfaces (floor and walls). Maximum allowed tolerance for well dimensions and plumbing accuracy is +25 mm / -0 mm.

8. Final permanent and continuous mains supply as detailed on PLAN NO. 201/1. The supply cable for controller cabinet (LDU) to terminate within shaft at FFL plus 1m spare.

9. Permanent telephone line with master socket to terminate at top of LDU plus 1m spare.

10. Lifting beam as detailed on PLAN NO.201/02. shall be load tested in situ and in line with BS 2853, be clearly marked with safe Working Load and a copy of the certificate is to be provided to Schindler prior to installation commencement. SWL is 2000Kgs. EYES to be provided as detailed.

11. Finished floor datums marked adjacent to each landing entrance.

12. Ventilation recommended if required by the building owner/local authorities, although not a lift requirement for Schindler 3100/3300/6300 Opening to be typically 300mm x 300mm

13. Schindler recommend that the client to apply dust proof finish to internal shaft walls, ceiling and pit floor in white paint.

14. Builder to provide suitable access from the offload point to lift shaft and storage area, providing necessary pavement and floor protection / reinforcement that may be required.

15. Where dividing wall between two lifts shafts is by steelwork, the dividing screens must conform to the loads as defined in EN81-1 Clause 5.3.1. When rigid perforate dividing screens are used, they must satisfy the requirements of EN 294 Clause 4.5.1 and EN81-1 Clause 5.6.2. Maximum dimension of hole in mesh, are between 10 mm and 40mm based upon width of shaft, please refer to Schindler representative unless you provide 10mm mesh.

16. Builder to provide and fix full height lockable guarding to the lift shaft openings in accordance with the requirements of BS 7255:2001, to provide protection for the general public/personnel, our operatives and equipment during erection and testing.

17. Builder to provide general distribution 110 volt supply.

18. Main fuse (building) SIH must be as per Builders Workplan 201.01. Failure to provide this item will cause damage to the lift equipment.

19. 110V task lighting to be established within the lift shaft.

Materials Storage & Laydown:

20. Builder to receive and house plant materials as delivered. Schindler to deliver as follows: Material to be delivered by HIAB vehicle to site unless otherwise specified at sale.

21. Builder to provide:
- Provision of offload area adjacent to lift shaft and agreed storage area. Maximum weight of individual packages is 1000kg. Maximum length is 5000mm.
- Protection of all surfaces to liftshaft and agreed storage area from offload area.
- Agreed storage area adjacent to lift shaft which is secure, lockable, dry and safe.
- Storage access is to be 20 square metres and capable of holding 7000kgs of load.
- Access between offload area to shaft and storage area is to be level and capable of taking 5000mm long packages weighing 1000kg.

Requirements Prior To Testing / Commissioning:

22. All entrances to be flush finished up to sills by Builder, after installation of lift landing entrances.

23. All infilling between lift entrances, controller, pushes, indicators and wall, together with any making good and final finishing is to be the responsibility of the builder . Infilling must conform to local Fire Regulations. Care must be taken to prevent damage to finished lift entrances and expansion foam infilling is not acceptable.

24. If lift car floor finishes are to be provided and fitted by builder this must be done before testing.

Other Requirements:

25. Builder to provide:
- Mess room, sanitary accommodation and other facilities as required under current legislation.
- A centrally located area is required where Schindler can deposit rubbish for removal by the Builder.
- At each landing entrance, permanent lighting is to be provided. The lighting in the vicinity of the landing doors shall be at least 50 lux at floor level as per EN81-1.
- On the floor accommodating the LDU (Lift Control Panel) permanent lighting shall be provided with of at least 200 lux at floor level in front of the lift controller. As requires by Schindler

Design Certificate

- Builder to carry out all necessary cutting away and making good during installations.

Other Requirements:

26. When the lift is required to comply with Part M of the Building Regulations, an area of at least 1500mm x 1500mm is to be free and unobstructed in front of all the landing entrances.

27. The shaft shall not contain any other services, other than for the lift as defined in EN81-1, Clause 5.8.

28. Schindler require the ability to gain access to all entrances and LDU of the lift at all times, for emergency operation and maintenance of the lift, therefore, the lift cannot serve directly into a penthouse or flat and must have direct stairwell access to the top floor lift landing entrance.

29. If landing entrances and doors are primed only, they still require a finishing coat to be applied by the client or his representative.

30. Responsibility for protection will pass to the Main Contractor / Builder when the lift equipment has been fixed to the freehold, even though the whole installation may not be complete.

31. If required by BS7671, lightning protection of lift guides in public buildings to BS6651 Clause 19.3.10 is to be provided and fitted by the Builder / Main Contractor at no cost to Schindler.

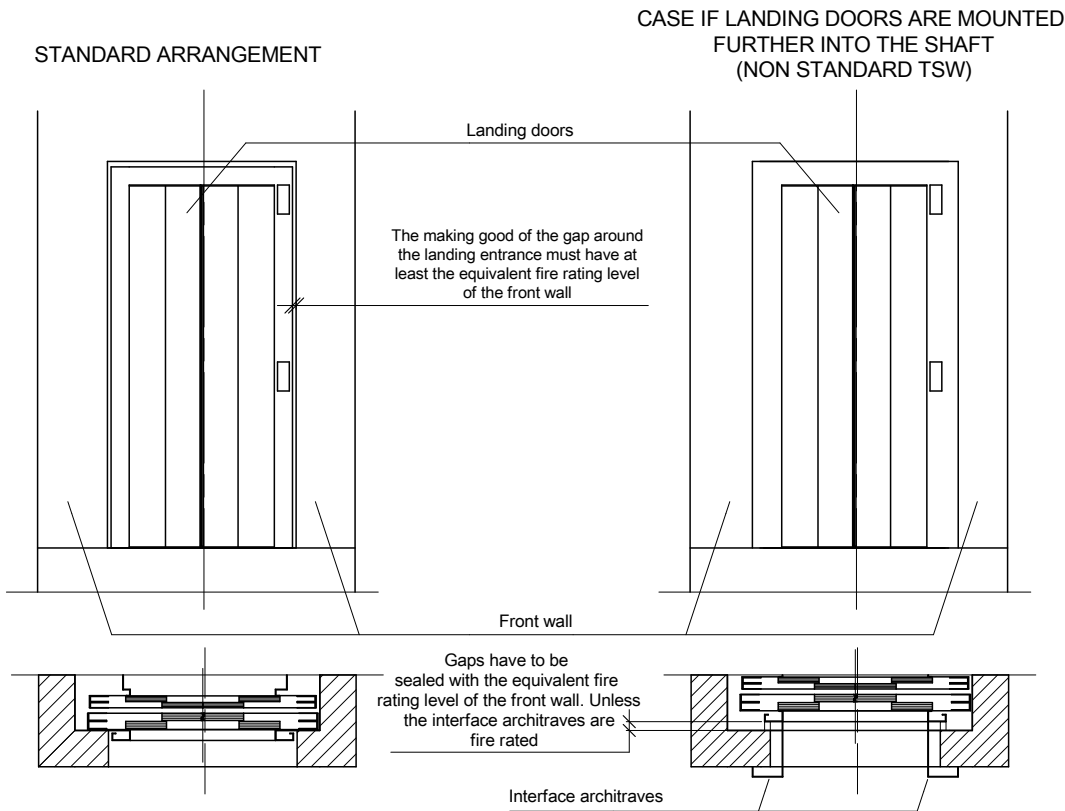
32. Airborne noise generated by the drive unit is 62dbA (Leq), 65dbA (impulse). The well construction must be adequate to comply with contract noise requirements and relevant regulations for adjacent rooms.

33. The control cabinet must be located in an area which is suitably protected against weather conditions such as rain, wind and temperatures below +5 C and above +40 C.

BUILDER'S WORKPLAN					 Schindler 3300	
Installation place		Golden Cross PH Lift 1: Botell Lane UB3 2AD Hayes				
 Schindler	Schindler Limited Benwell House / Green Street TW16 6QS Sunbury-on-Thames		Further inquiries concerning this plan on			
	Tel: 01932 758100 Fax: 01932 758 258		Tel: 01932 758100 Fax: 01932 758 258			
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Entrance Sealing

Not to scale, generic illustration



NOTE
Landing entrances carry various fire ratings (i.e. E60 and E120) whether in a fire rated area or not. The fire rating to subject to the building design fire strategy for the particular building

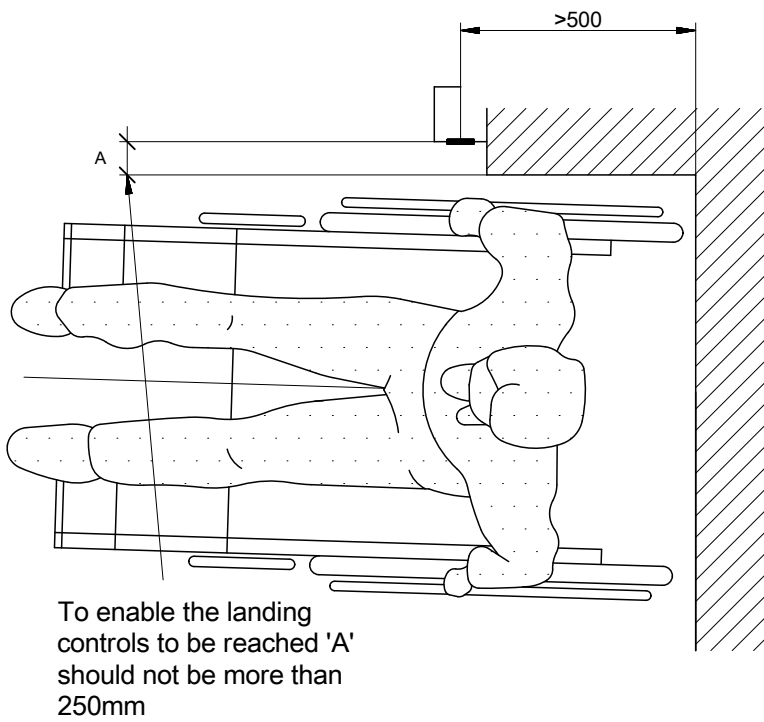
- Minimum Requirement
- 1. Door fitted in accordance with the manufactures instructions i.e. anchors and brackets fitted in accordance with the drawings
 - 2. Gaps between the landing entrance frame work and building structure must be closed off between frame and the structure and made imperforate; this work will be undertaken by the builders in accordance with EN81-1 clause 5.3.1

- IF FIRE RATING IS REQUIRED**
- Shaft wall made of Plasterboard
Shaft wall supplier is responsible for achieving the correct fire rating of the wall; In conjunction with the shaft wall and landing door frame to be coordinated on site and generally in accordance with our drawings and recommendations
- Reinforced concrete or block work / brick
- 1. Gaps between the landing door frame and wall to be closed off using material (e.g. mineral board and instumestic sealing) achieving the required fire rating
 - 2. Decorative finishes such as architraves to be fitted after and gap have been filled
 - 3. It is recommended that at least one entrance fitted is presented to building control for sign off before proceeding with the fitting of the architraves

Agreement and acceptance of the fire protection provided or method of closing up the gap between the wall and landing door frame should be recorded and filed by Schindler Project Manager

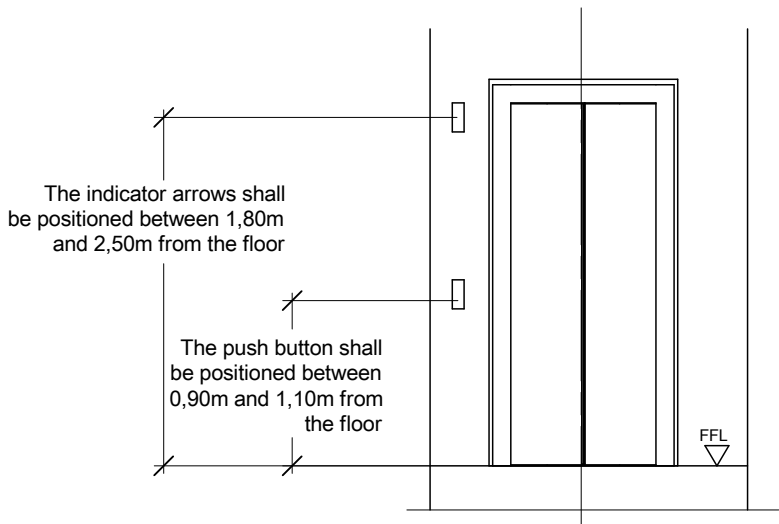
EN81-70 Location of Landing Controls

Not to scale, generic illustration



BSEN81-70 requires that the minimum distance between the centreline of any button to any corner of an adjacent wall shall not be less than 500mm on the landing.
Where a control is located on a door return the adjacent wall is, strictly speaking less than 500mm. The aim however shall to have the control accessible and if the 'A' dimension was limited 250mm, this is considered to be achieved.

EN81-70 Landing Control Location reference for Wall Mounted Panels

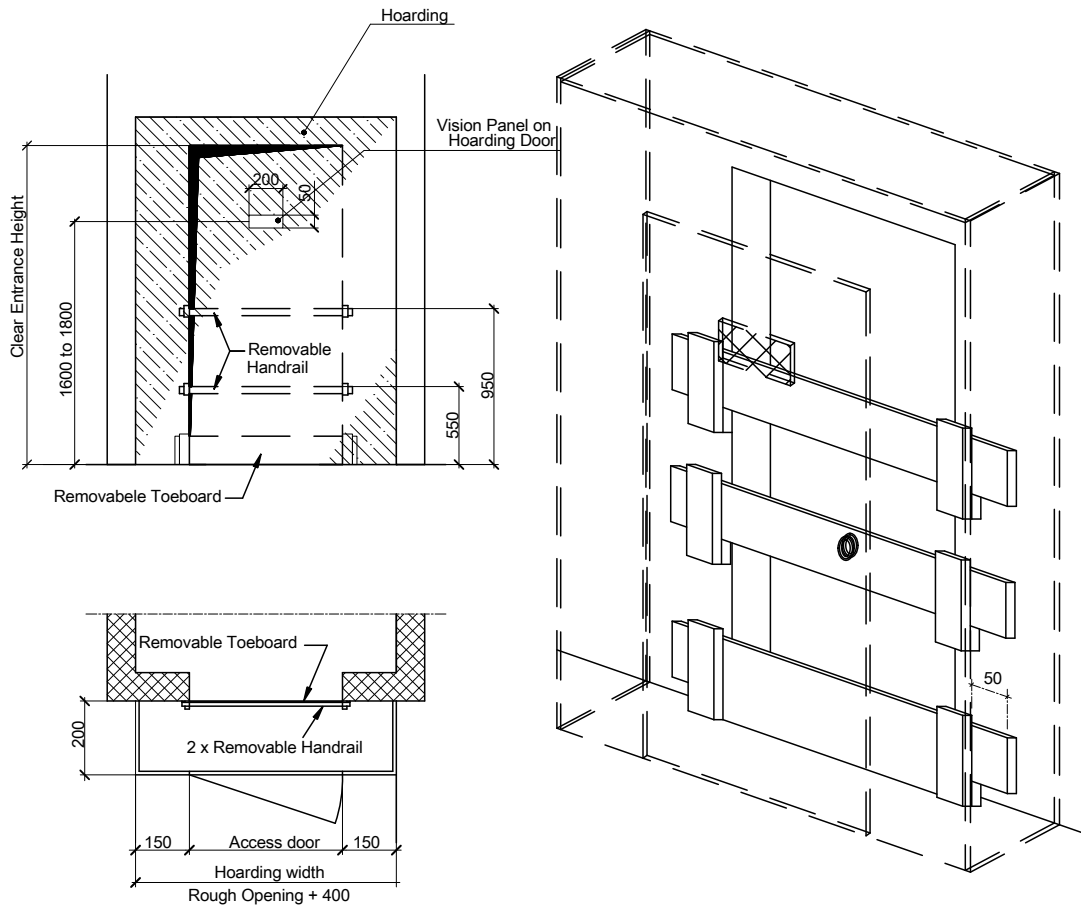


For Center opening, landing pushes to be at the right hand side
For Side opening doors, landing pushes to be at the door closing side

For rear entrances, the landing pushes are to be the same side as the the COP and same side as the landing pushes on the front entrances

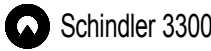
Entrance Hoarding

Not to scale, generic illustration



- Note**
- 1. The client is to provide and fix full height lockable guarding to the lit shaft openings to provide protection for the general public, our operatives and equipment during installation in accordance with BS7255:2001. We draw your attention to Clause 4.6.3 which states that the full height enclosure access door should be fitted with Yale lock, type key arrangement, with a thumb turn type internal arrangement. Which can be opened without a key from inside the enclosure.
 - 2. Height of hoarding to be Clear Entrance Height + 200 minimum. Full hoarding should continue past the rough opening and finish at the ceiling or cap the hoarding to prevent materials falling into the open hoarding from above.
 - 3. Access door to be full height hoarding
 - 4. An opening of 200mm wide by 50mm high will need to be cut into the door for a vision panel. Approx 1600-1900mm off the floor. This will need covering by a mesh with holes no greater than 10mm square. This stops any possibility of materials falling through but gives an inspection option. This may need a profile of the door to be drawn also on this sheet

BUILDER'S WORKPLAN



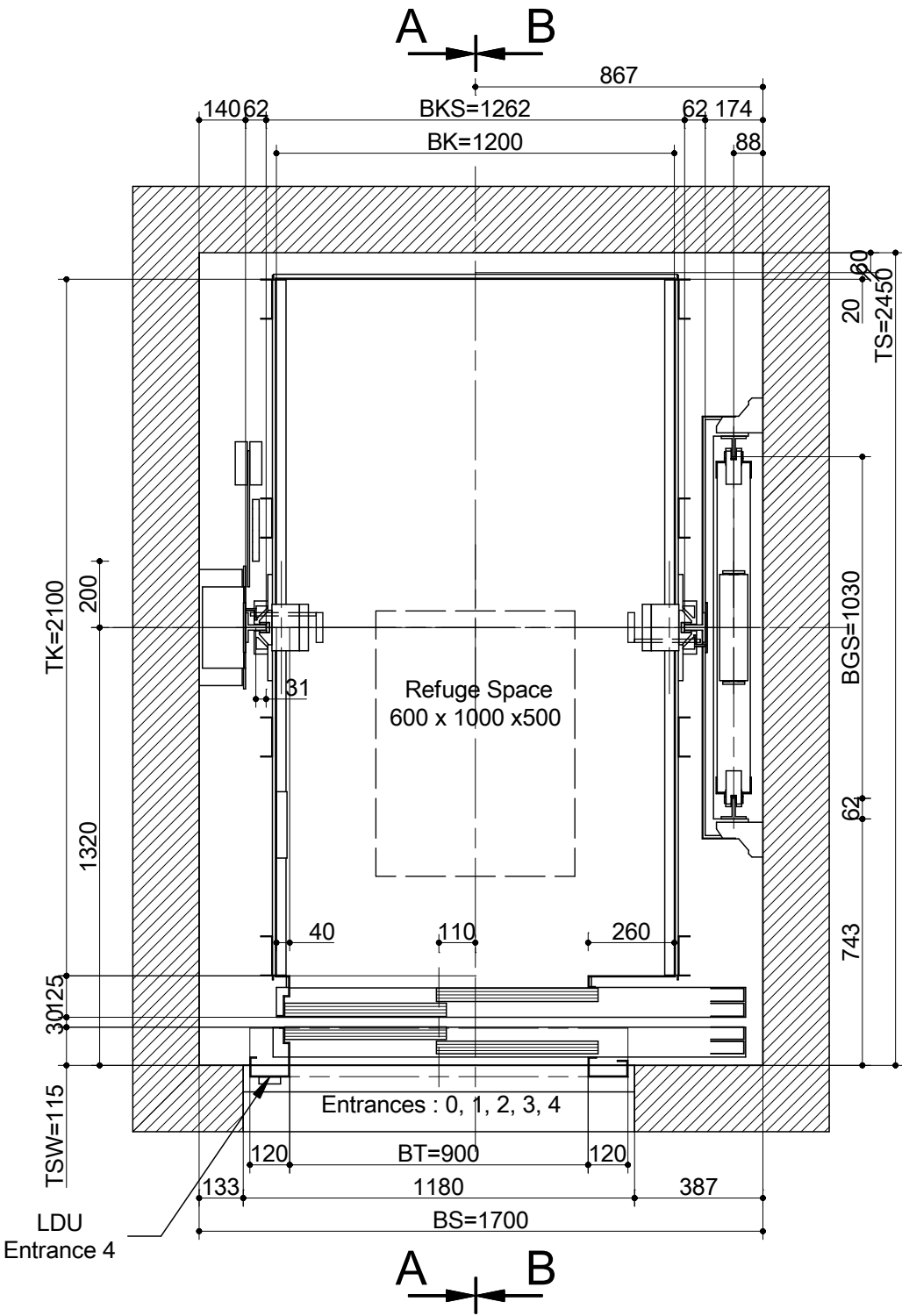
Installation place Golden Cross PH
Lift 1: Botell Lane UB3 2AD Hayes

Schindler Limited
Benwell House / Green Street
TW16 6QS
Sunbury-on-Thames

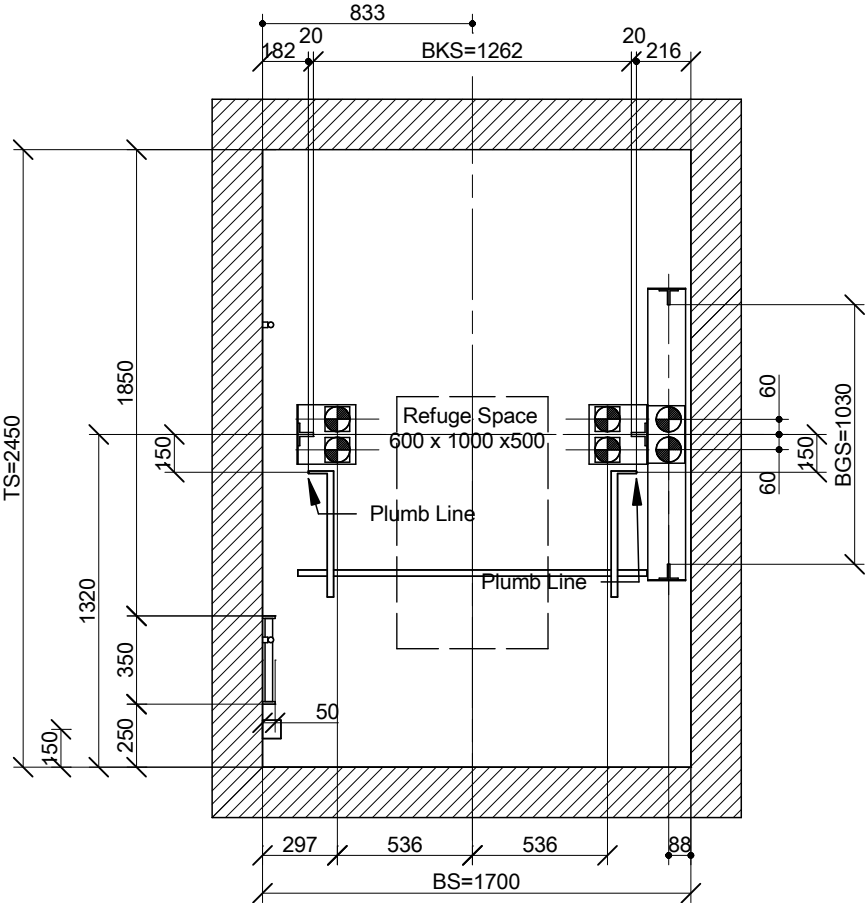
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Car Section 1:20

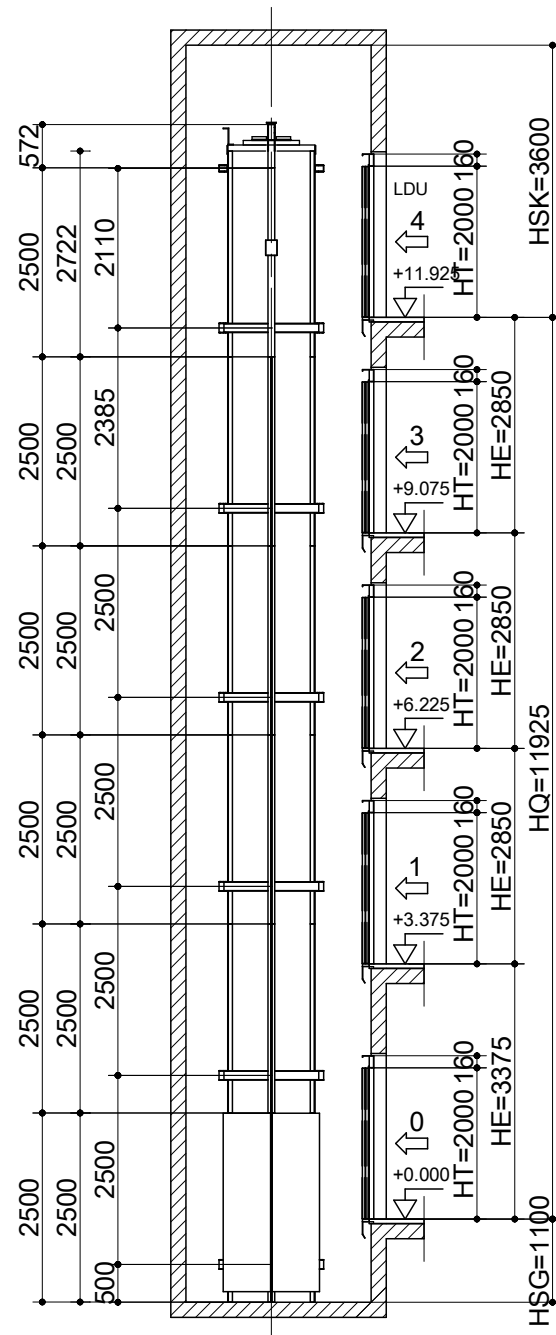


Well Pit 1:30

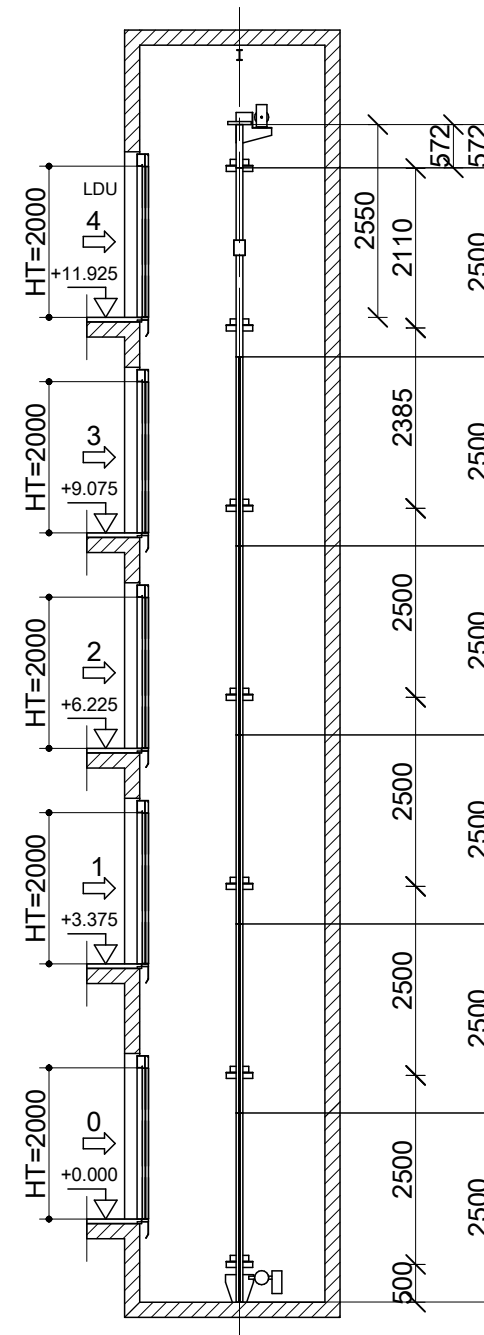


Ind.	Modification	Name	Date
GKU (Safety gear)	1826	Stops	5
GK (Car)	696	Entrances	1
GG (Counterweight)	1,259 kg	Control	1KA
Load (kg)	1125	Drive System	
Passenger	15	Speed (m/s)	1.00
Travel Height (m)	11925		
LAYOUT			
Schindler 3300			
Installation place Golden Cross PH Lift 1: Botell Lane UB3 2AD Hayes			
Client PMC Construction & Development Serv 106 Queens Road PO2 7NE Portsmouth			
Schindler Limited Benwell House / Green Street TW16 6QS Sunbury-on-Thames		Further inquiries concerning this plan on	
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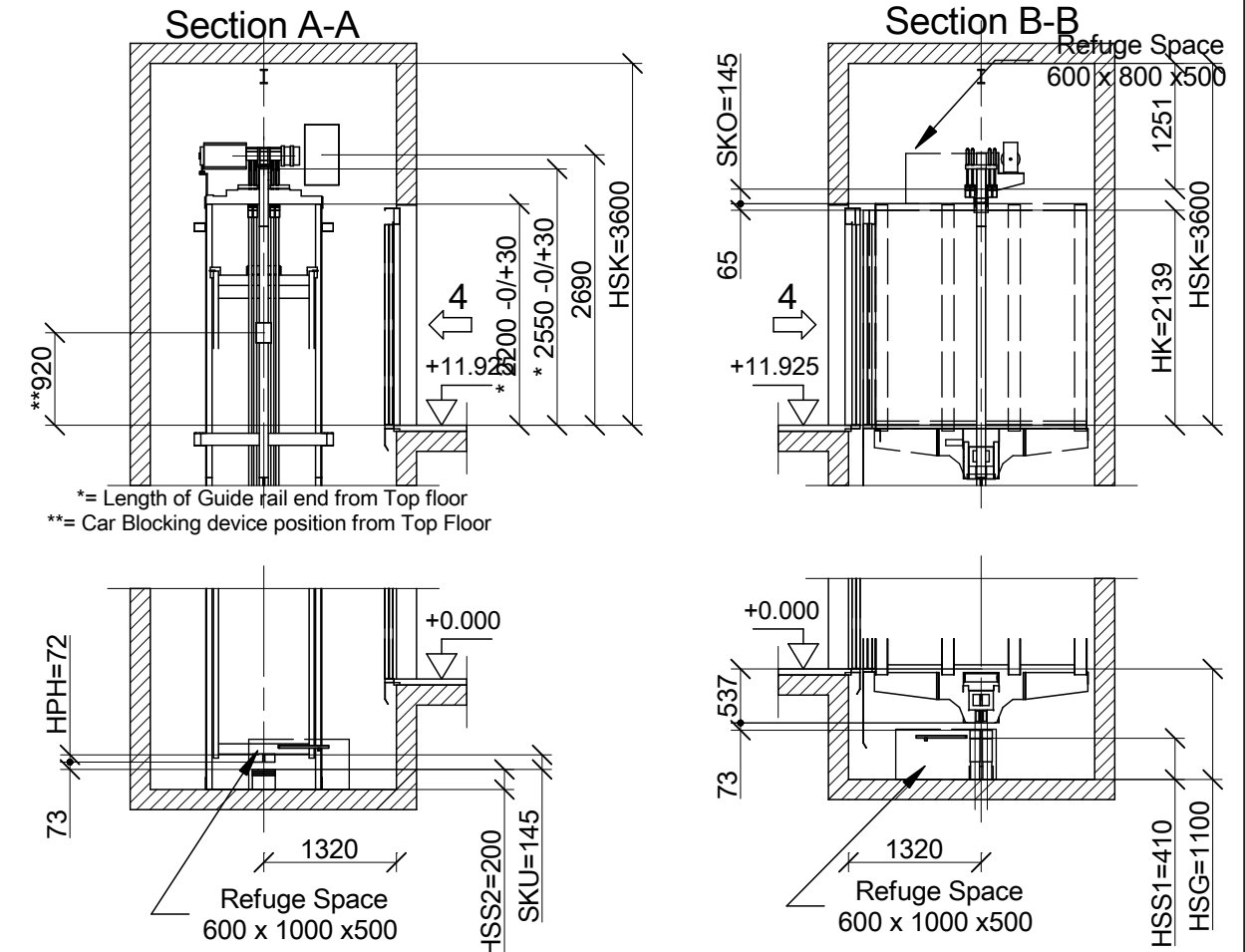
Section A-A 1:100



Section B-B 1:100



Headroom and Pit 1:75



If accessible spaces do exist below the car or the counterweight, the base of the pit shall be designed for an imposed load of at least 5000N/m², and:
a) either there shall be installed below the counterweight buffer, a solid pier extending down to the solid ground, or
b) the counterweight shall be equipped with safety gear
N.B. Lift shafts should preferably not be situated above a space accessible to persons

LAYOUT

Installation place Golden Cross PH
Lift 1: Botell Lane UB3 2AD Hayes



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