

STAIR NOTES:

All details subject to SE calculations.

All openings on stairs to be such that a sphere of 100mm diameter cannot pass through.

All timber to be approved by client.

The rise of each step to be uniform in each flight and not more than 170mm. The going of each step to be uniform in each flight and not less than 250mm. Maximum pitch to be 38°.

All step nosing to be distinguishable through contrasting brightness & to be not less than 16mm projection from riser.

Clear headroom over stairway to be 2000mm min. measured vertically above pitch line.

The handrail to extend at least 300mm beyond the top & bottom nosing of the steps.

Guarding to withstand 0.74kN/m horizontal force infill 1.5kN/m². Handrail and balustrades shall be designed in accordance with the recommendations in BS 6180:2011.

Tread, Riser and Landing
32mm thick White American Oak tread boards, sanded and sealed, fixed/bedded with epoxy adhesive and mechanically fixed from underneath with stainless steel countersunk M6 screws with hexagon sockets to continuous steel tread, rise and landing support plate, no fixings to be visible on the surface of the tread / Landing. Tread to include integral contrasting coloured hardwood non-slip nosing comprising hardwood profiled lipping with bullnose edge, tongue and grooved to tread. Steel folded rise and tread plate to be welded to PFC string (subject to structural engineers calculations) with paint finish.

Handrail
40mm diameter PPC aluminium mop stick handrail supported off PPC aluminium L bracket screw fixed to adjacent structure, top of handrail to be 900mm above pitch line to stair, 1100mm above landing level.

Balustrade to 3rd Floor Landing 12mm thick toughened glass infill balustrade cut to profile required, pre-drilled to accommodate counter sunk hex head bolt fixings and catch plates.

Infill panels to resist horizontal forces as defined in BS 6399; part 1:1996 and to resist a force of 1.5kN/m²

General Note
Detailed drawings to be supplied and submitted for approval by Stair Manufacturer and all dimensions checked on site prior to fabrication, particularly handrail/balustrade heights relative to fixing points. Staircase Design to be in accordance with Building Regulations and BS 5395; Part 1: 1977

Staircase to be Ambulant Disabled designed mild steel construction with cranked landings to specialist design. All to Structural Engineers details and specifications.

Openable Vent: Common/escape staircase to be naturally ventilated ahead of stair through 1.0 SqM openable vent activated by smoke alarms with Fire Brigade activation over-ride at ground floor level.

Fire resistance of fire fighting shafts: Walls enclosing fire fighting shafts and lift to be constructed minimum 90mins FR.

Refuges: Provide refuge 1400x900mm space to every landing within a protected space or in lift lobby to every floor level except the final escape level with emergency call point. Refuges not to encroach on to any escape route.

LIFT NOTES:

Provide and install 1no. lift. Lift to be fire-fighting to EN 81-72:2015, i.e. have a secondary power supply, minimum load rated lead 630kg, all electrical equipment within the lift well to be protected against water ingress to the appropriate IP rating etc. 8 person 630kg disabled accessible passenger lift machine room-less type with centre opening doors, existing shaft size as indicated on drawing.

Install lifting beams to head of shaft in position required by lift manufacturer. All lifts and installations to comply with BS EN 81-1 or 81-2 as appropriate. New lift to be fully tested before putting into service in accordance with the requirements of BS 8486-1 or 8486-2 as appropriate. CDA compliant lifts to meet the requirements of AD Part M, BS8300 and BS EN 81-70.

Lift to return automatically to ground on activation of fire alarm. Car

Interior: Finishes TBC. Generator in basement to M&E Specification.
Allow clear zone to front of lift entrance doors of 1500x1500mm.

P06	04.02.22	SW	MS	Liftshaft and Staircase updated to reflect Schindler information.
P05	03.12.21	MS	GJ	Updated to reflect changes to rooftop plant deck, en-suites, corridor doors, hotel lobby.
P04	25.10.21	MS	GJ	Proposed levels amended & stair design updated to suit; lift model amended; 3F refuge amended.
P03	11.01.21	RE	GJ	Notes updated.
P02	30.11.20	RE	GJ	G - 1' Floor Stair layout revised.
P01	24.10.20	RE	GJ	First issue.
Rev:	Date:	By:	Chk By:	Rev Note:

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London | Liverpool | Manchester | www.fcharchitects.com | +44(0)151 243 5800

Project Title
47 Peter Street, Manchester

Client
KRO Hospitality

Drawing Title
Lift & Stair Details

Drawing No.
P20048-FCH-XX-XX-DR-A-5100

Status
S3

Issue suitable for:
COMMENT

Date
20.10.20

Drawing Stage
TENDER

Scale
1:50 @ A1

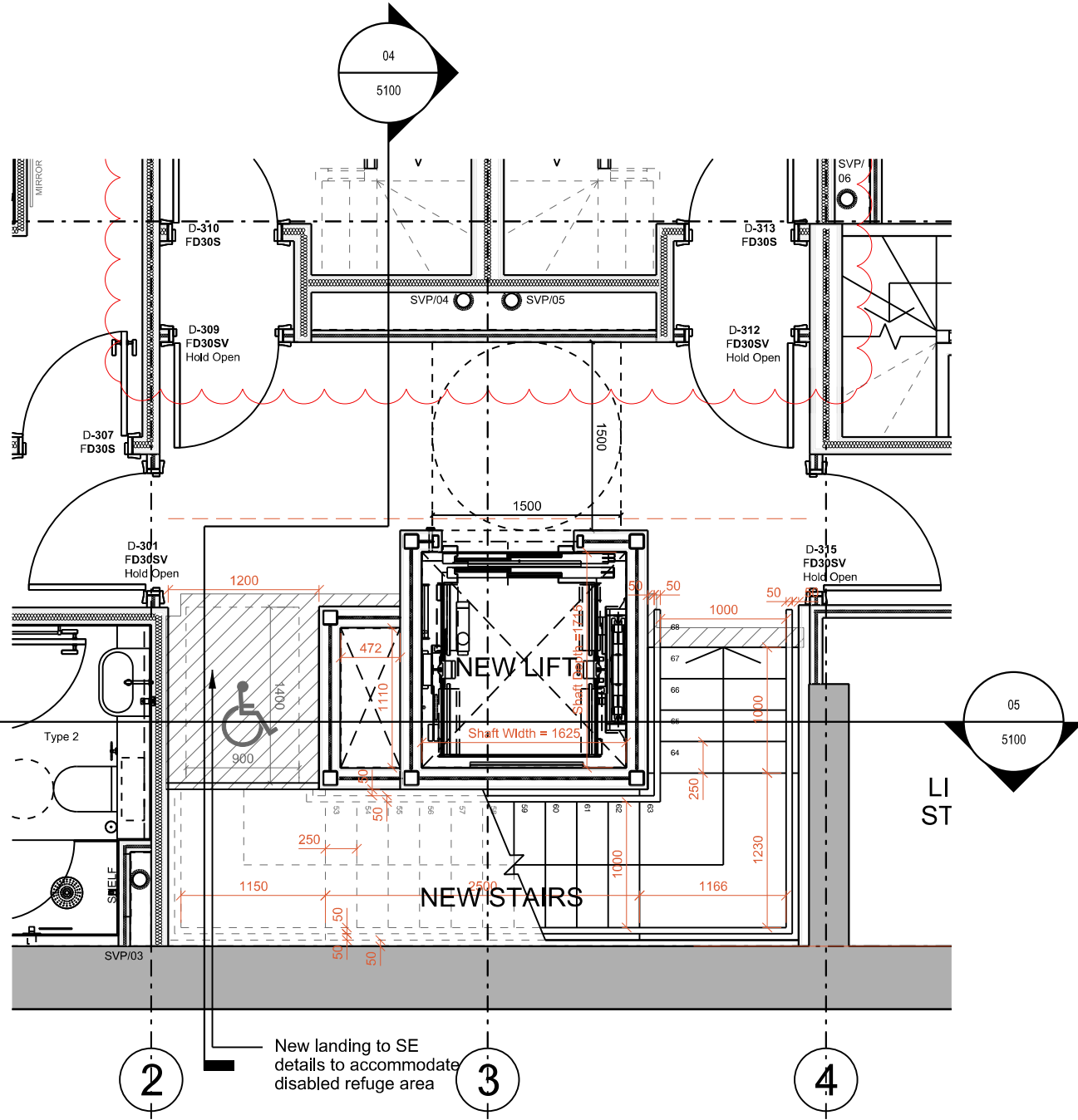
Rev

P06

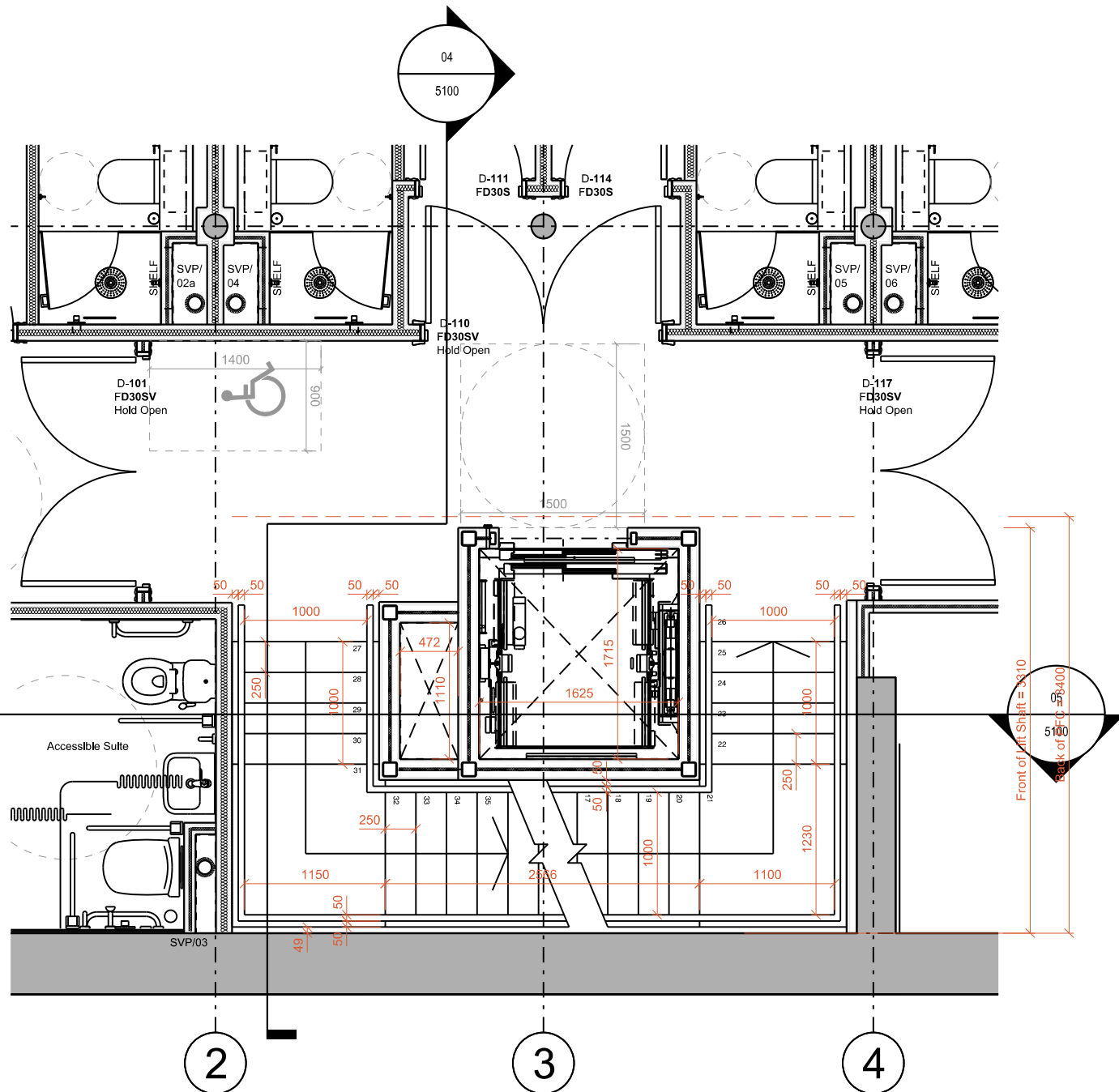
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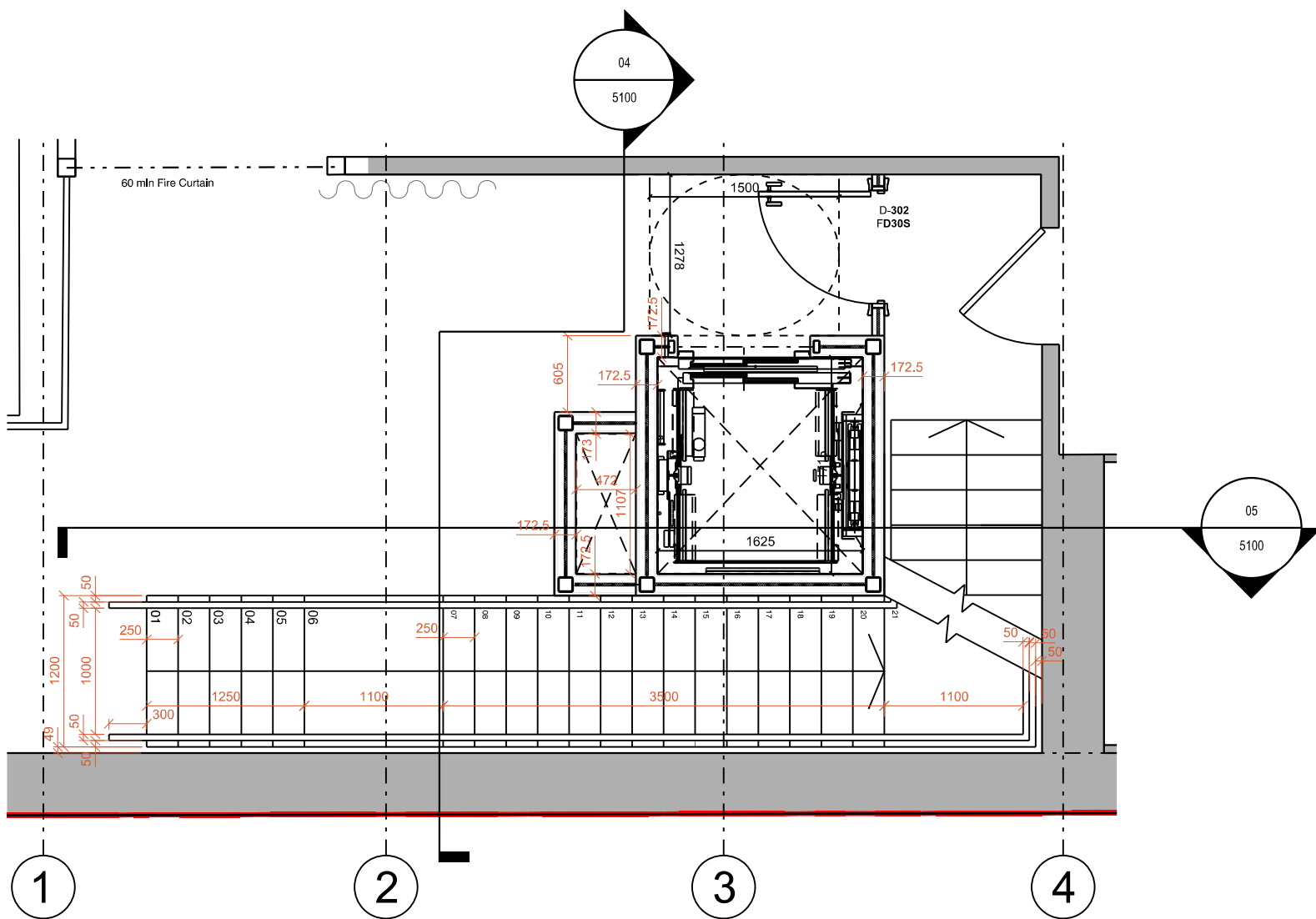
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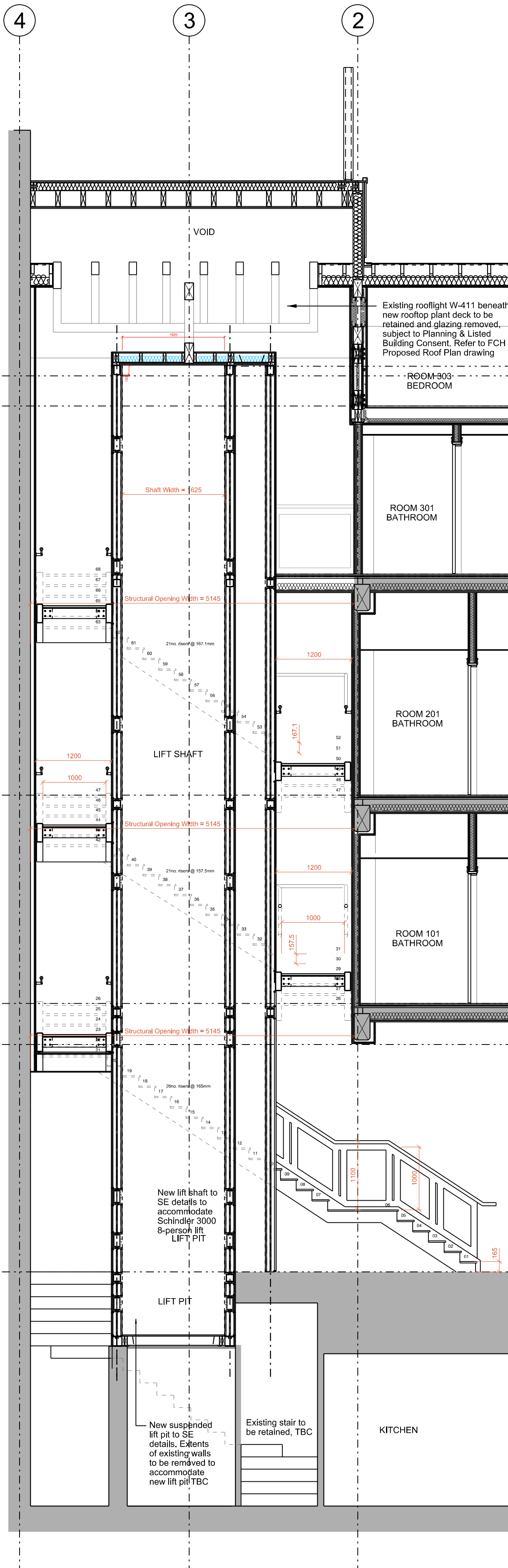
03. THIRD FLOOR STAIR & LIFT CORE PLAN



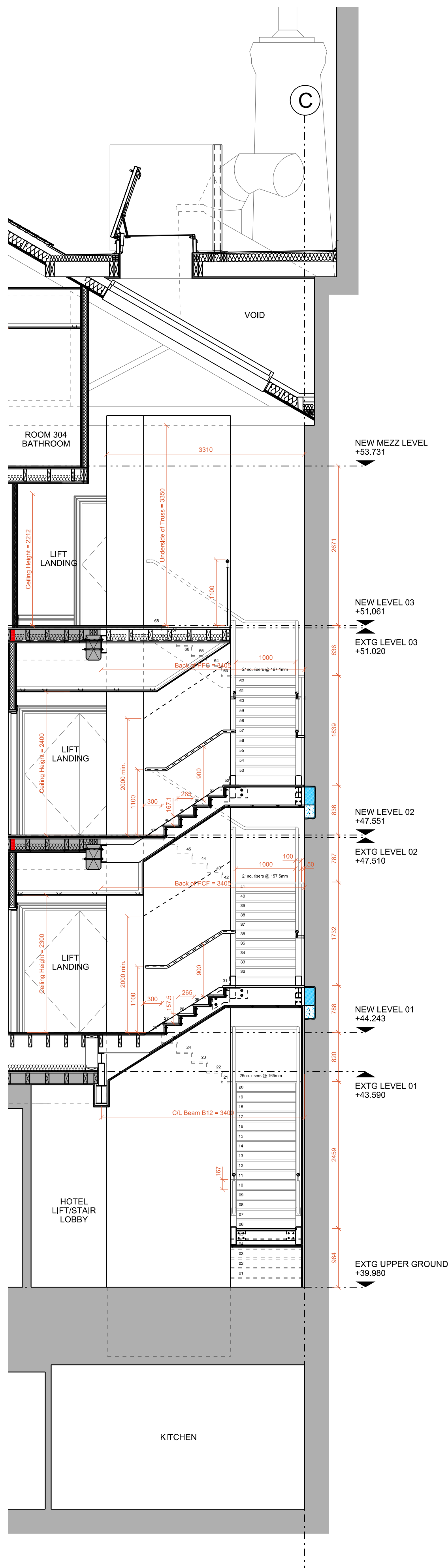
02. TYPICAL FLOOR STAIR & LIFT CORE PLAN



01. GROUND FLOOR STAIR & LIFT CORE PLAN



04. STAIR SECTION 01



05. STAIR SECTION 02