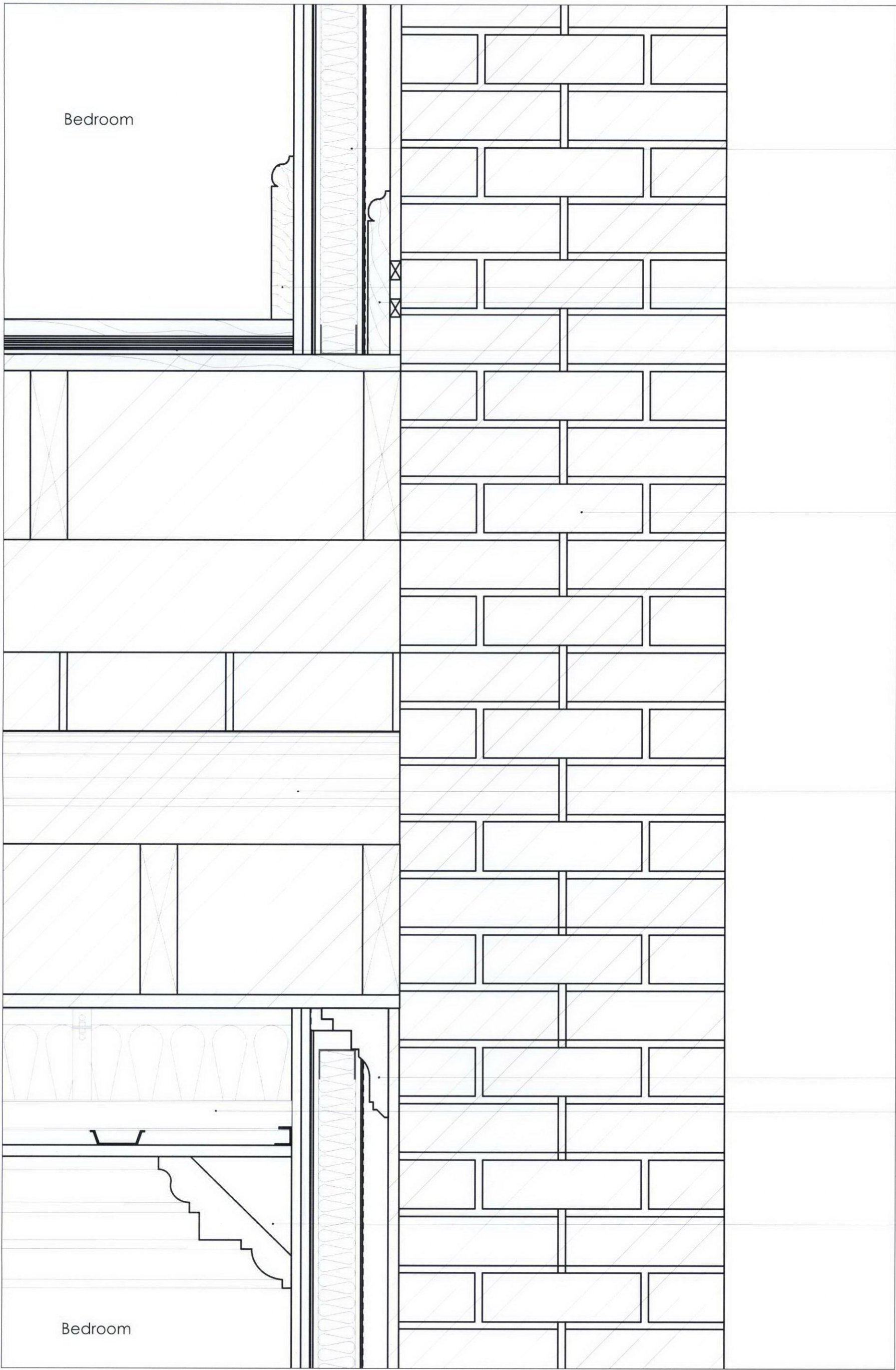




New Independent Wall Lining
Comprising:
2 No. 12.5mm Wallboards
18mm WBP Plywood
Vapour Barrier
Metal l Studs Fixed Top and Bottom
Only to Existing Structure,
Size to Suit Floor to Ceiling Height
50mm Mineral Wool Insulation
Breather Membrane

New Timber Skirting
Existing Timber Skirting

New Bedroom Floor Construction
Comprising:
Engineered Timber Floor
18mm WBP Plywood
6mm Rubber Resilient Layer
Existing Floorboards

Existing External Wall

Existing Timber Skirting

Existing Jack Arch Floor
Construction

Existing Plaster Cornice

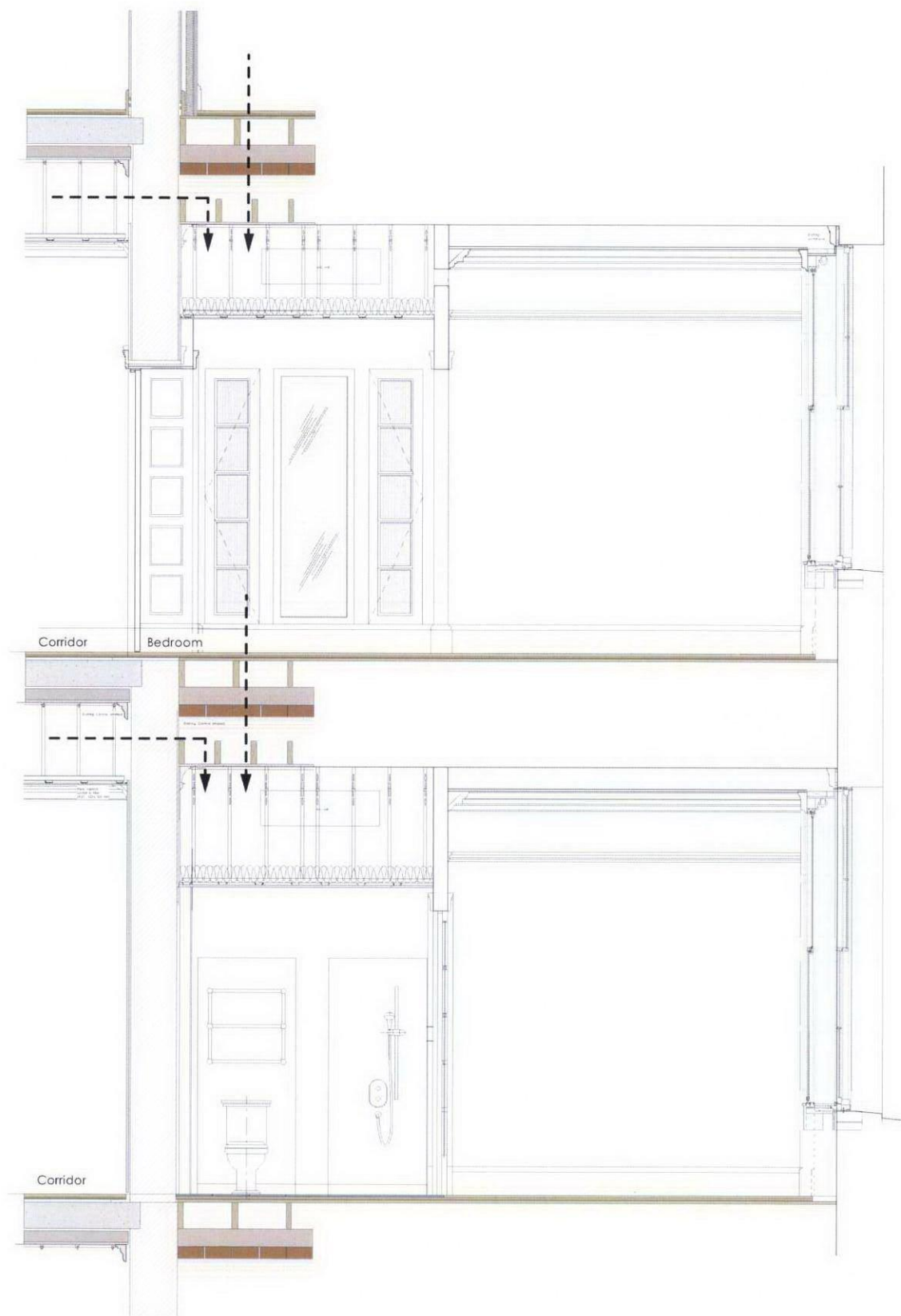
New Ceiling Construction
Comprising:
1 No. 15mm SoundBloc Plasterboard
Metal MF Frame Hanging System
Metal Acoustic Hangers
140mm Mineral Wool Insulation

New Plaster Cornice



Denotes Existing Fabric

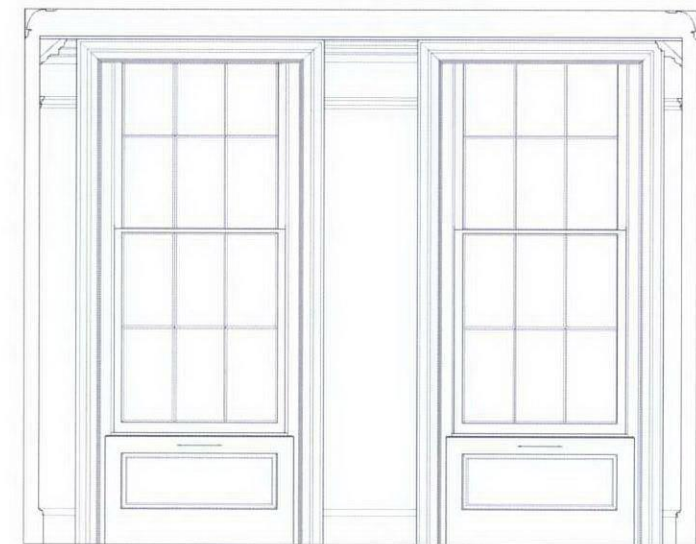
05 Typical External Wall Section Detail
Scale 1:5



06 Typical Corridor/Room Section
Scale 1:50



07 Typical Window Section Detail
Scale 1:5



08 Typical Window Section Detail
Scale 1:5

Refer to drawing no. DA/GNH/501 for location of sections.

revision notes

project title	drawing title	scale	date	David Archer Architects Ltd
Great Northern Hotel	Proposed Guest Room 101	1:50@A3	26.03.10	
London	Sections	drawn RM	checked DA	
FOR INFORMATION	drawing number DA/GNH/601	revision		
				tel: 0207 251 8555
				fax: 0207 336 0312
				e-mail: david@davidarcherarchitects.com

Preliminary Structural Drawings

Great Northern Hotel Drawing Package

PACKAGE C – STRUCTURAL DRAWINGS – RAMBOLL FOR INFORMATION

EXISTING

Existing Structure

Figure 1	General structural layout of hotel indicating jack arch floor from level 3 to 5
Figure 2	General structural layout of hotel indicating jack arch floor from level 2
Figure 3	Typical section through Jack Arch Floor (SK081 & SK082)
Figure 4	Room / corridor interface 1 st floor east end, transfer beam above concrete beam.
Figure 5	Room / corridor interface through crown of brick arch (SK083)
Figure 6	Room / corridor interface second floor, east end, transfer beam in wall (SK084)
Figure 7	Northwest Chimney crack repair

Basement Structural Alterations

Figure 7	Existing Basement slab construction
Figure 8	Indicative section through lift pit underpinning of existing masonry wall
Figure 9	Indicative plan of lift pit

Openings through walls

Figure 10	Sketch indicating typical lintel installation in two stages
Figure 11	Elevation showing 1 st floor Pantry-dining opening (SK051)

Chimney support

Figure 12	New support for chimney on gridline 10 1 st floor (SK052)
Figure 13	Section Y-Y from figure 13 (SK061)

Roof

Figure 14	Section illustrating the existing roof layout (SK055)
Figure 15	High level 5 th floor plan SK069
Figure 16	Section illustrating plant accommodation (SK086)

Vertical risers and lifts

Figure 17	New service penetrations through Jack arch floors (SK069)
Figure 18	Indicative sketch of the new RC slab around the new lifts (SK062)
Figure 19	Typical riser penetrations with cast iron beams parallel to external facade
Figure 20	Typical riser penetrations with cast iron beams perpendicular to external facade
Figure 21	2 nd floor cast iron beam layout
Figure 22	3-5 th floor cast iron beam layout

1 Existing structure

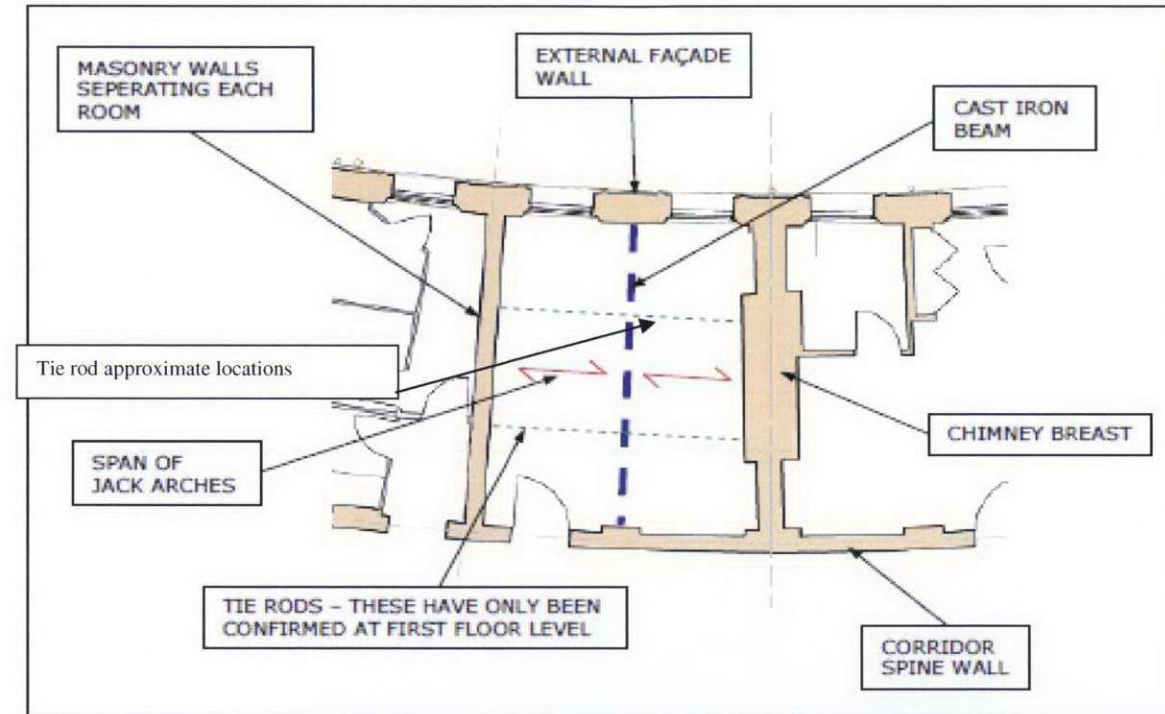


Figure 1 General structural layout of hotel indicating jack arch floor from level 3 to 5.

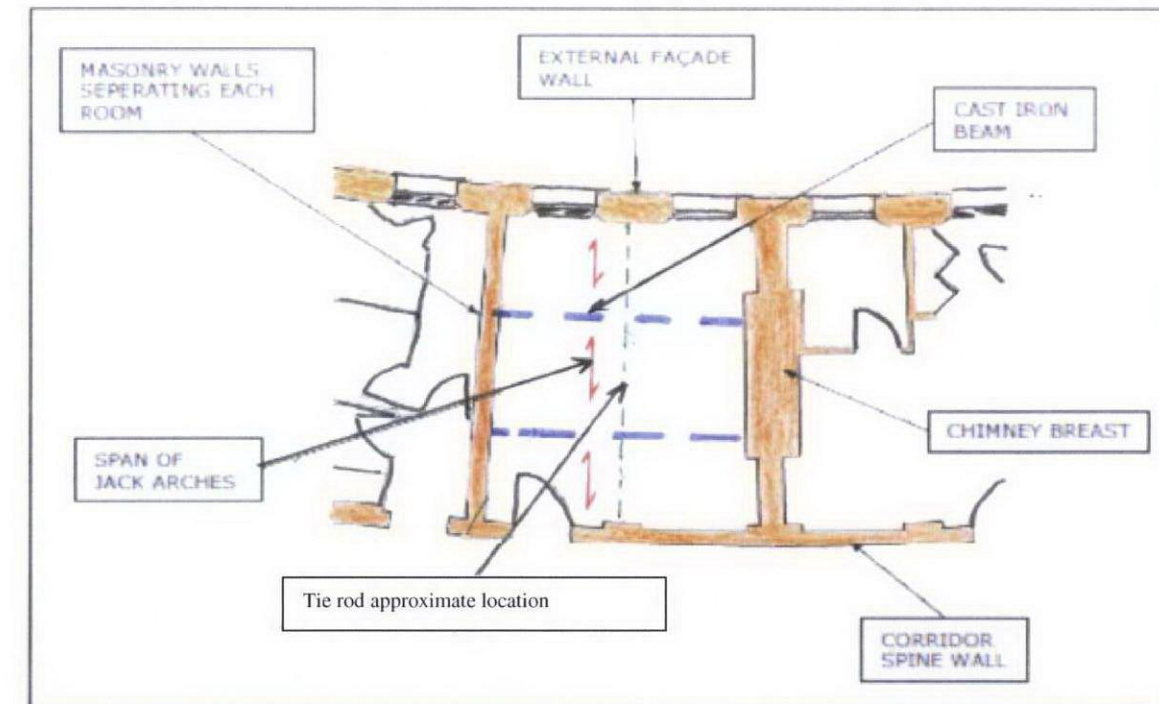


Figure 2 General structural layout of hotel indicating jack arch floor on level 2

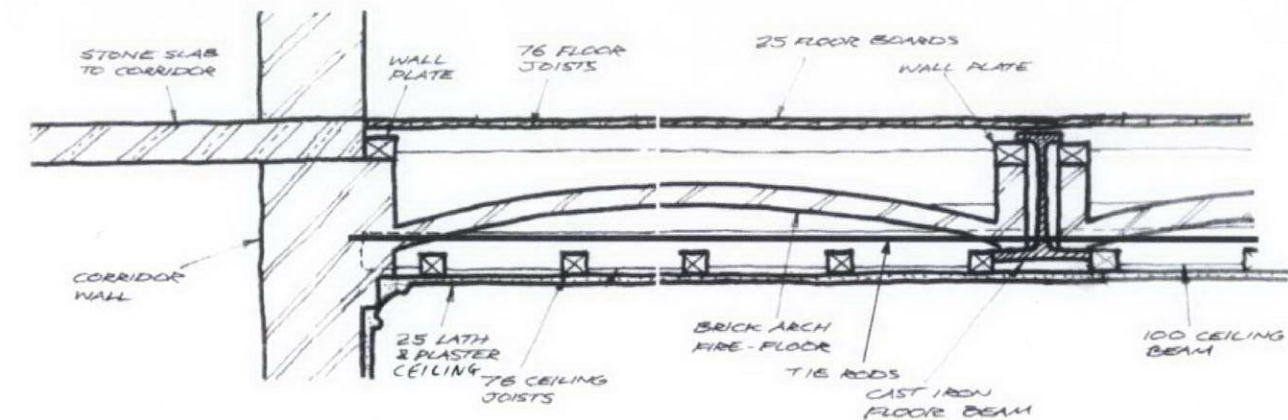


Figure 3 Typical section through Jack Arch Floor (SK081 & SK082)

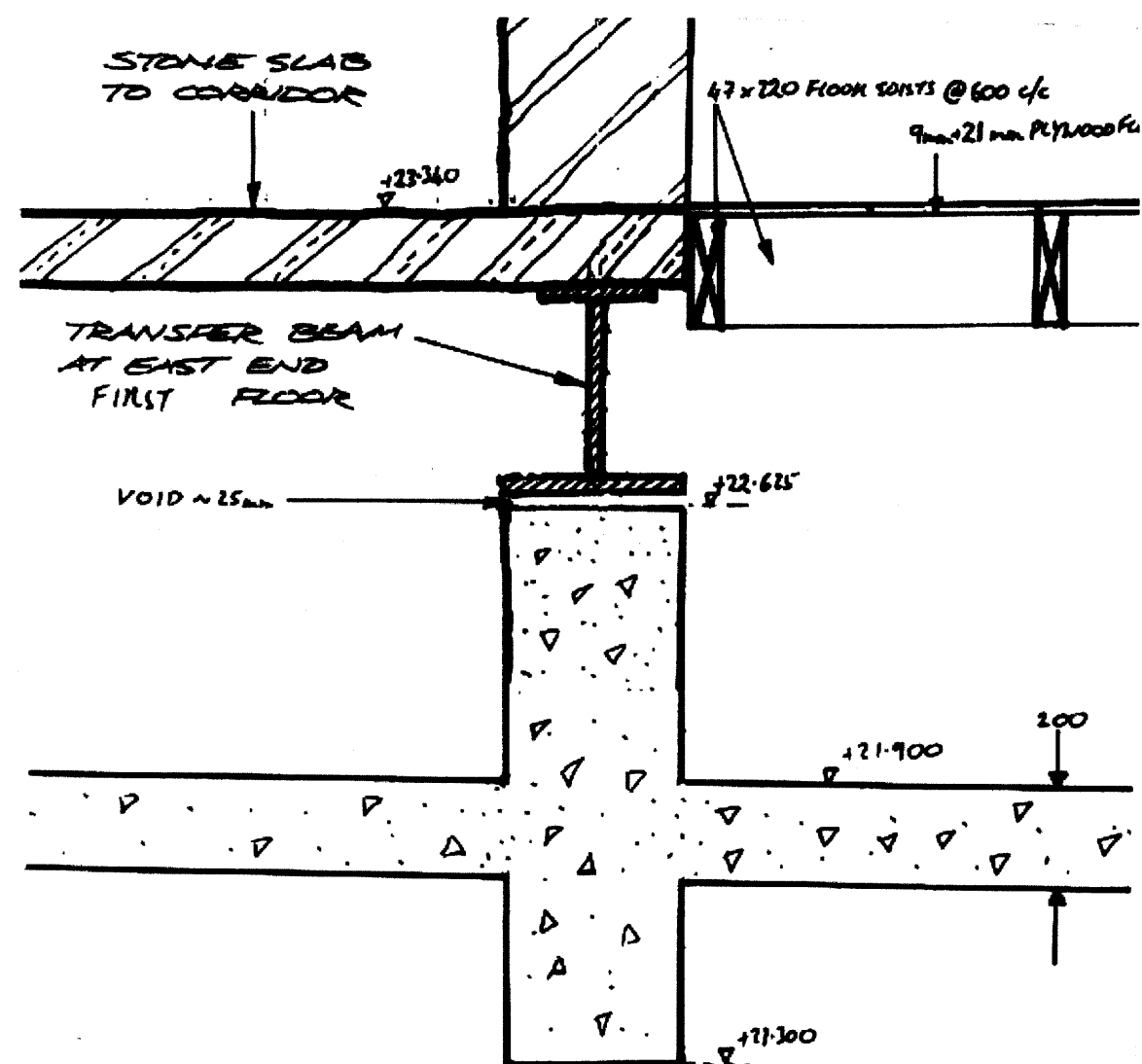


Figure 4 Room/corridor interface 1st floor east end, transfer beam above concrete beam. (SK085)

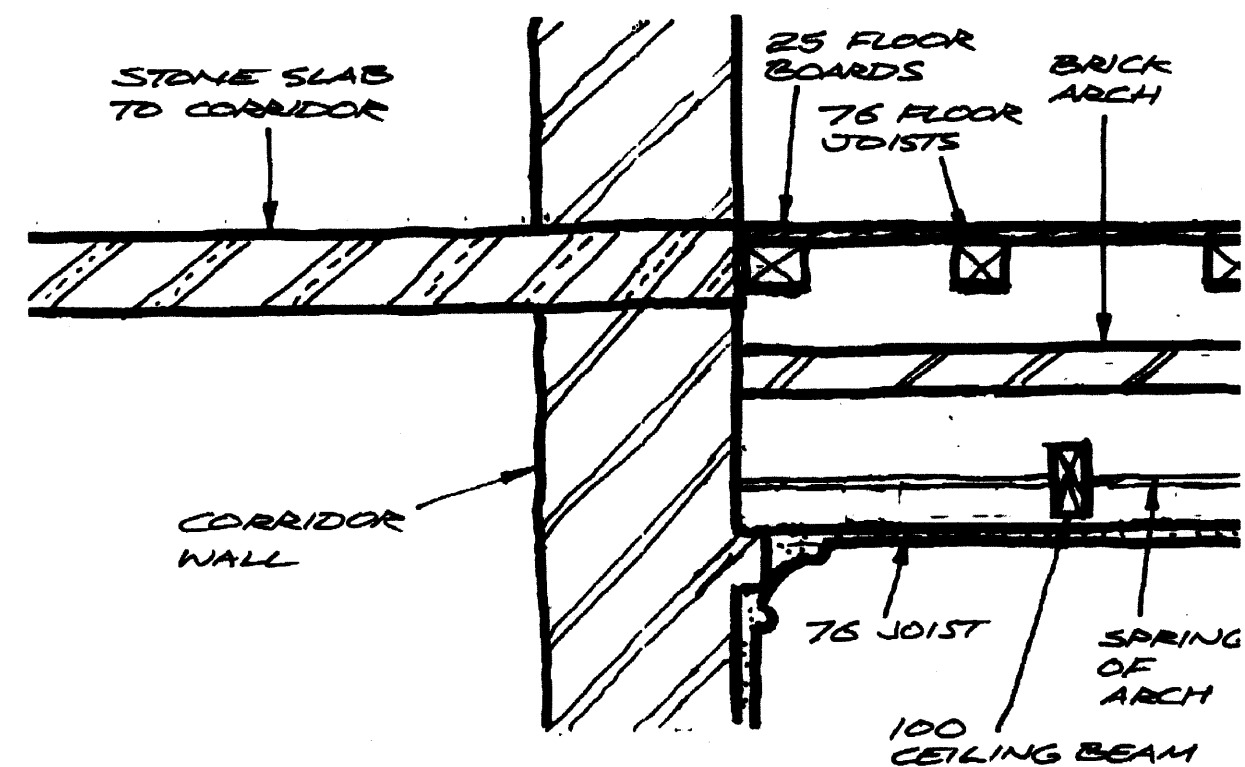


Figure 5 Room/Corridor interface through crown of brick arch (SK083)

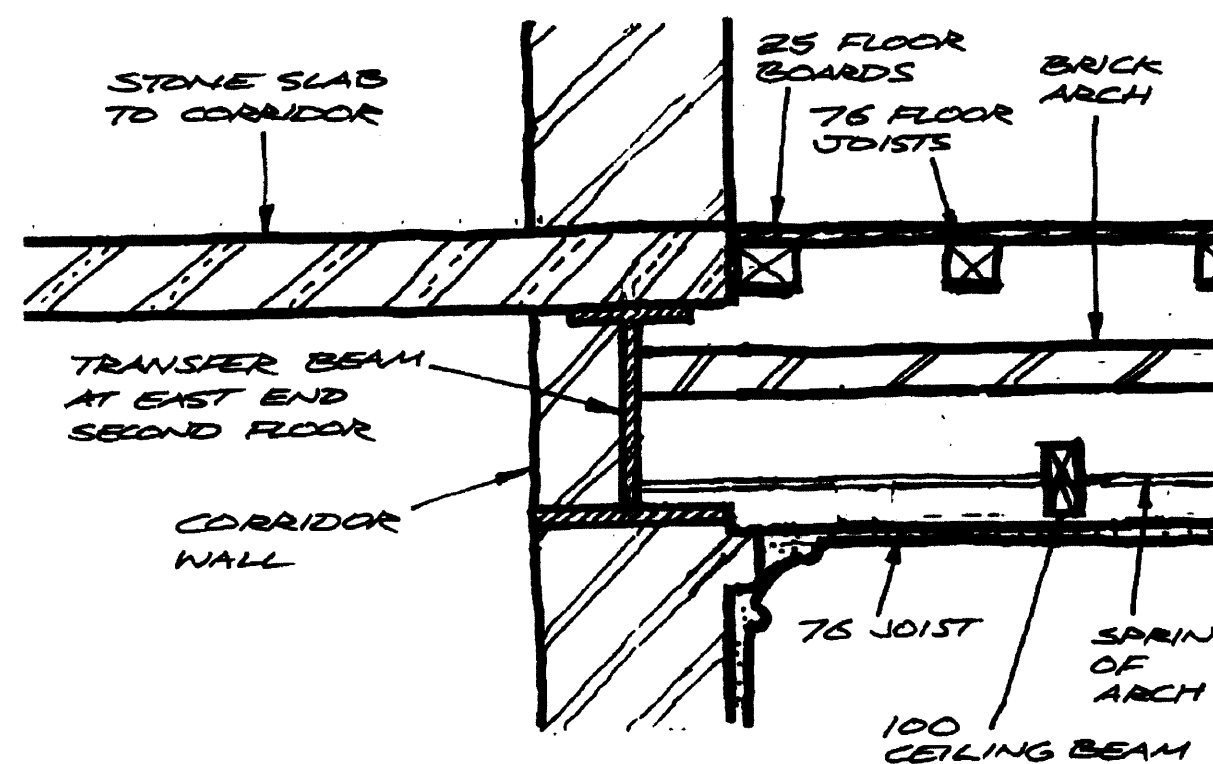


Figure 6 Room/Corridor Interface second floor, east end, transfer beam in wall (SK084)

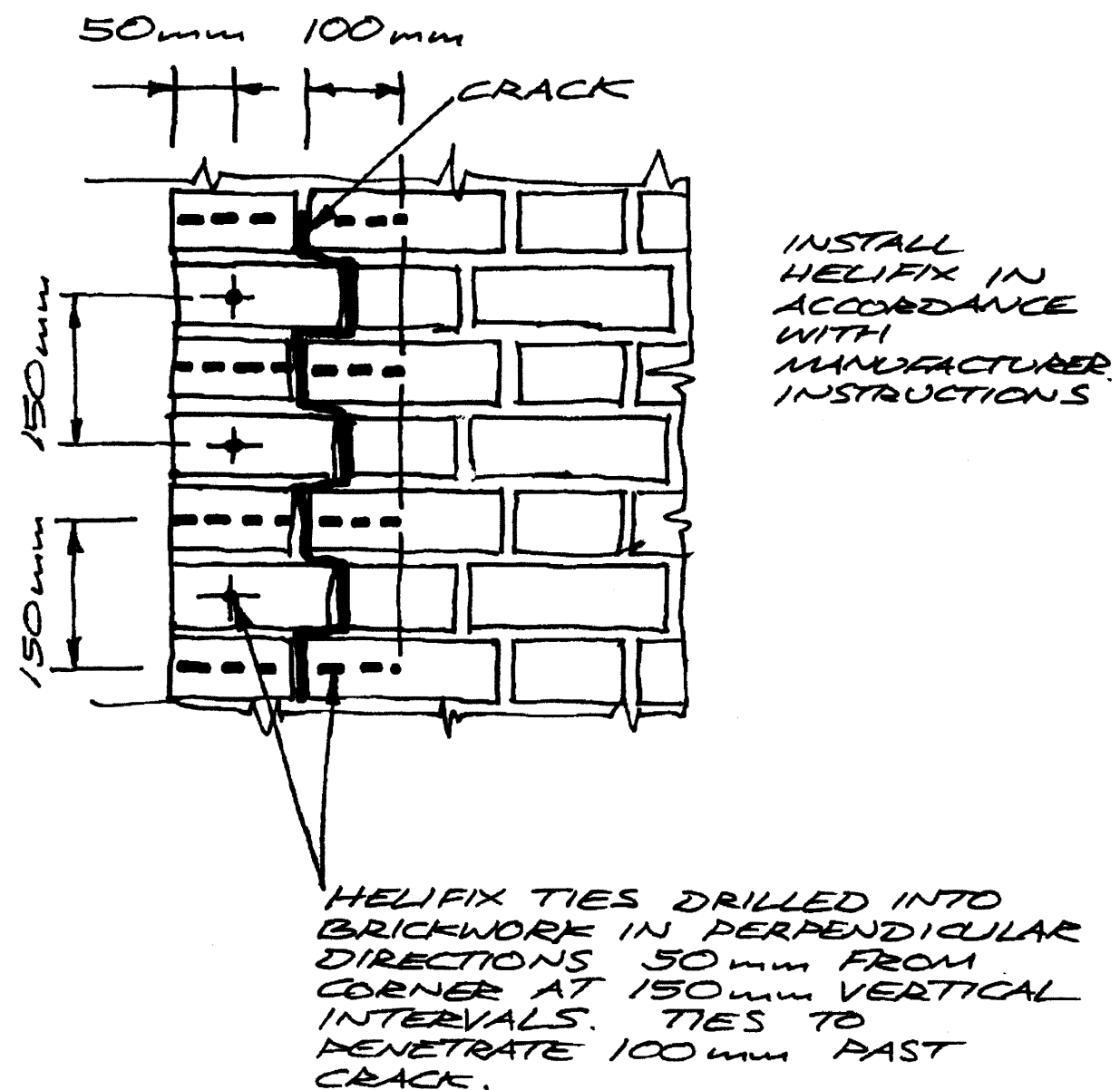


Figure 7 Northwest Chimney crack repair. (SK100)

2 Basement Structural Alterations

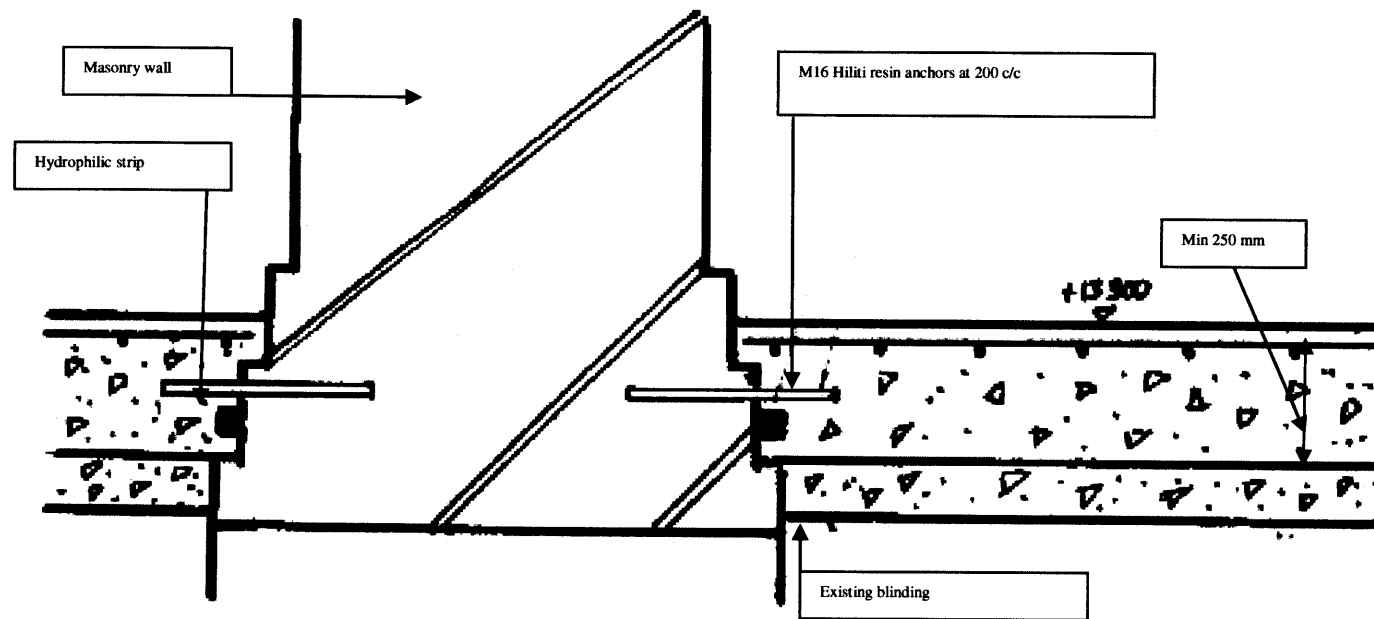


Figure 7 Existing Basement slab construction

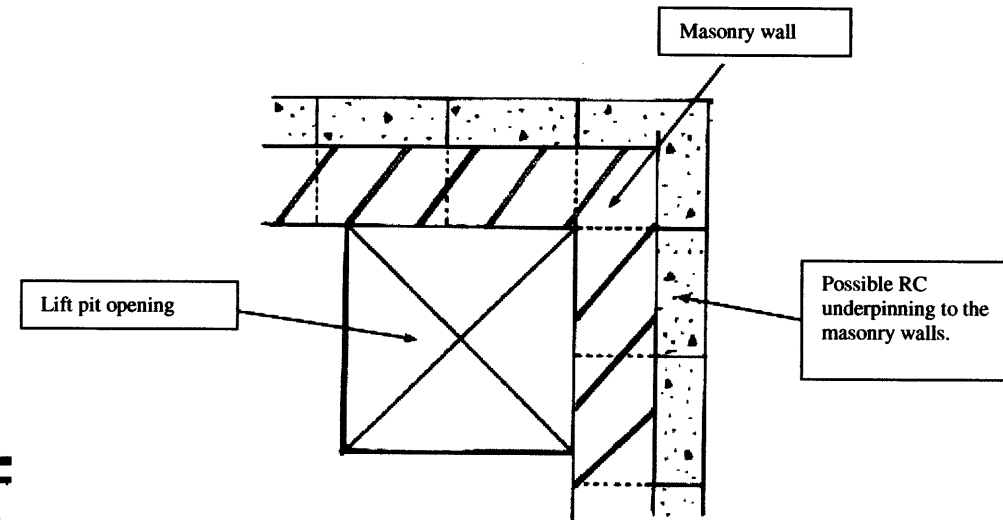


Figure 9 Indicative plan of lift pit

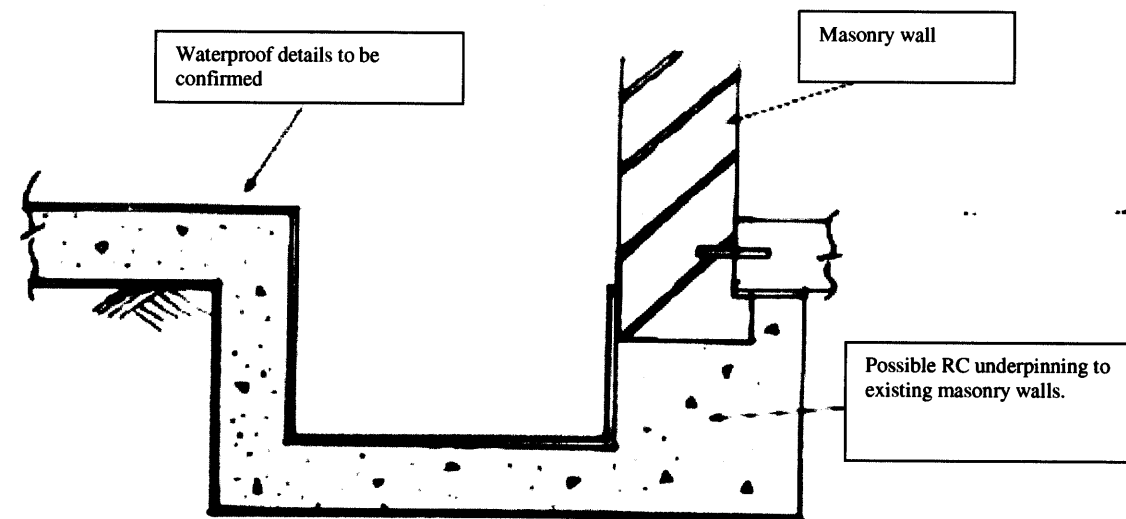


Figure 8 Indicative section through lift pit underpinning of existing masonry wall

3 Openings through walls

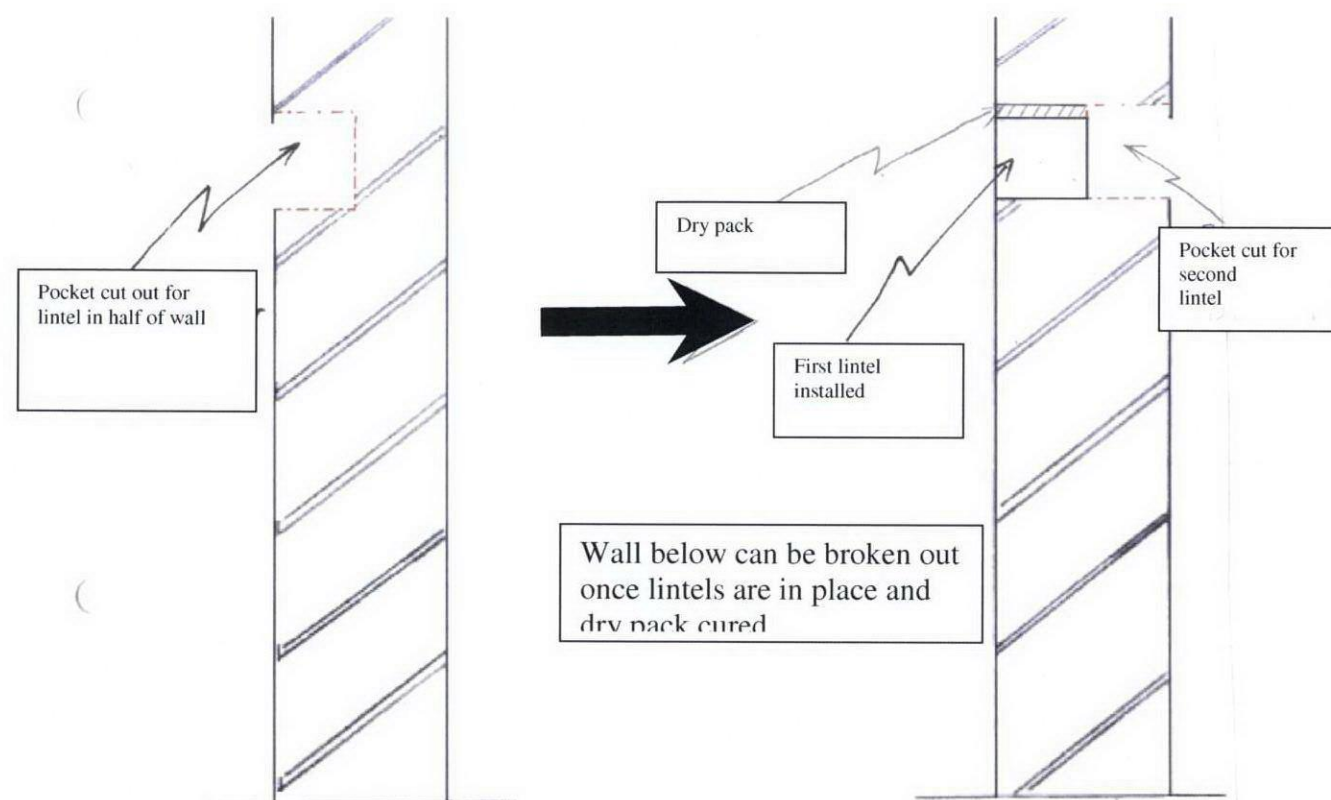


Figure 10 Sketch indicating typical lintel installation in two stages.

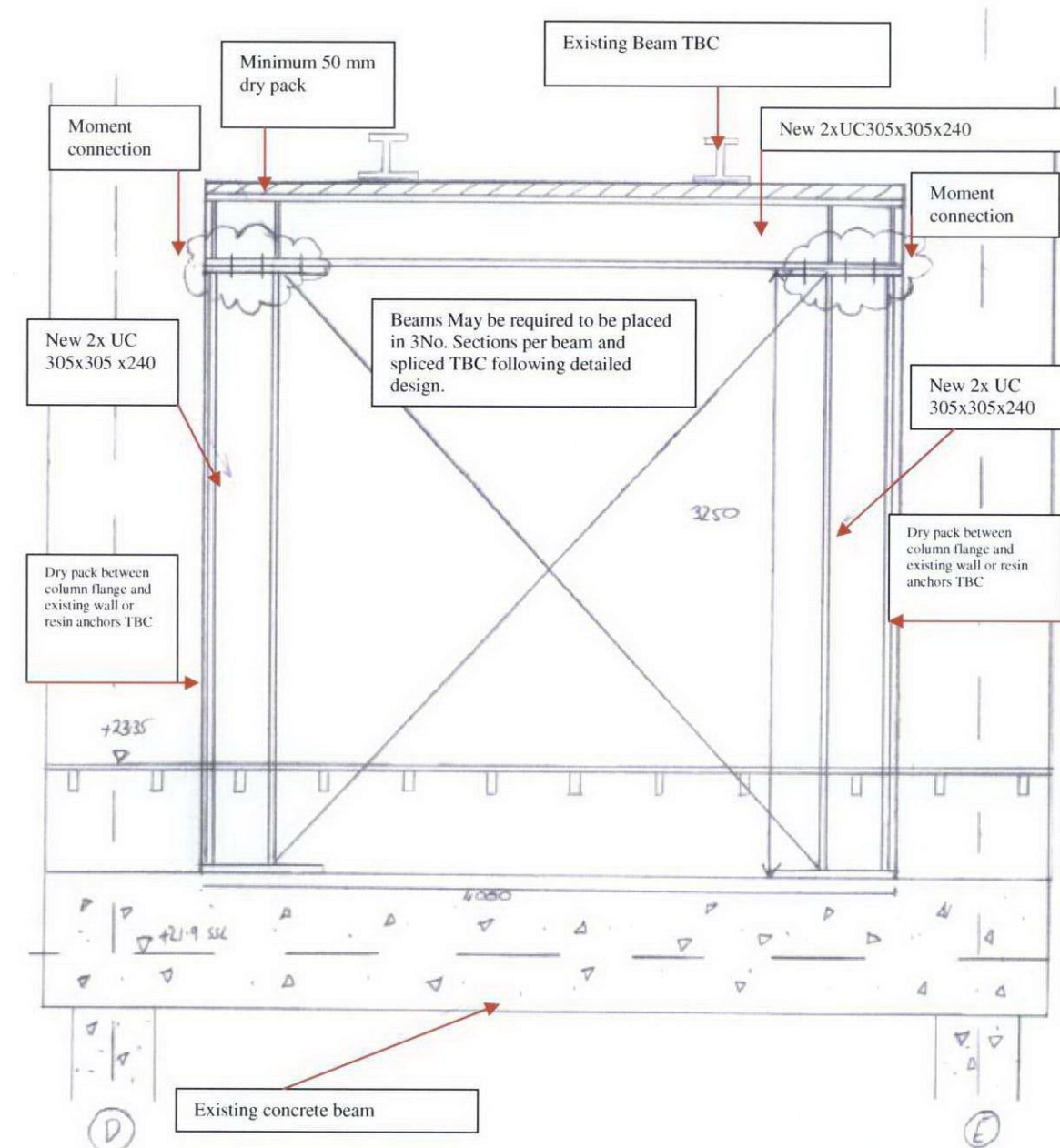


Figure 11 Elevation showing 1st floor Pantry-dining opening (SK051)

4 Chimney support

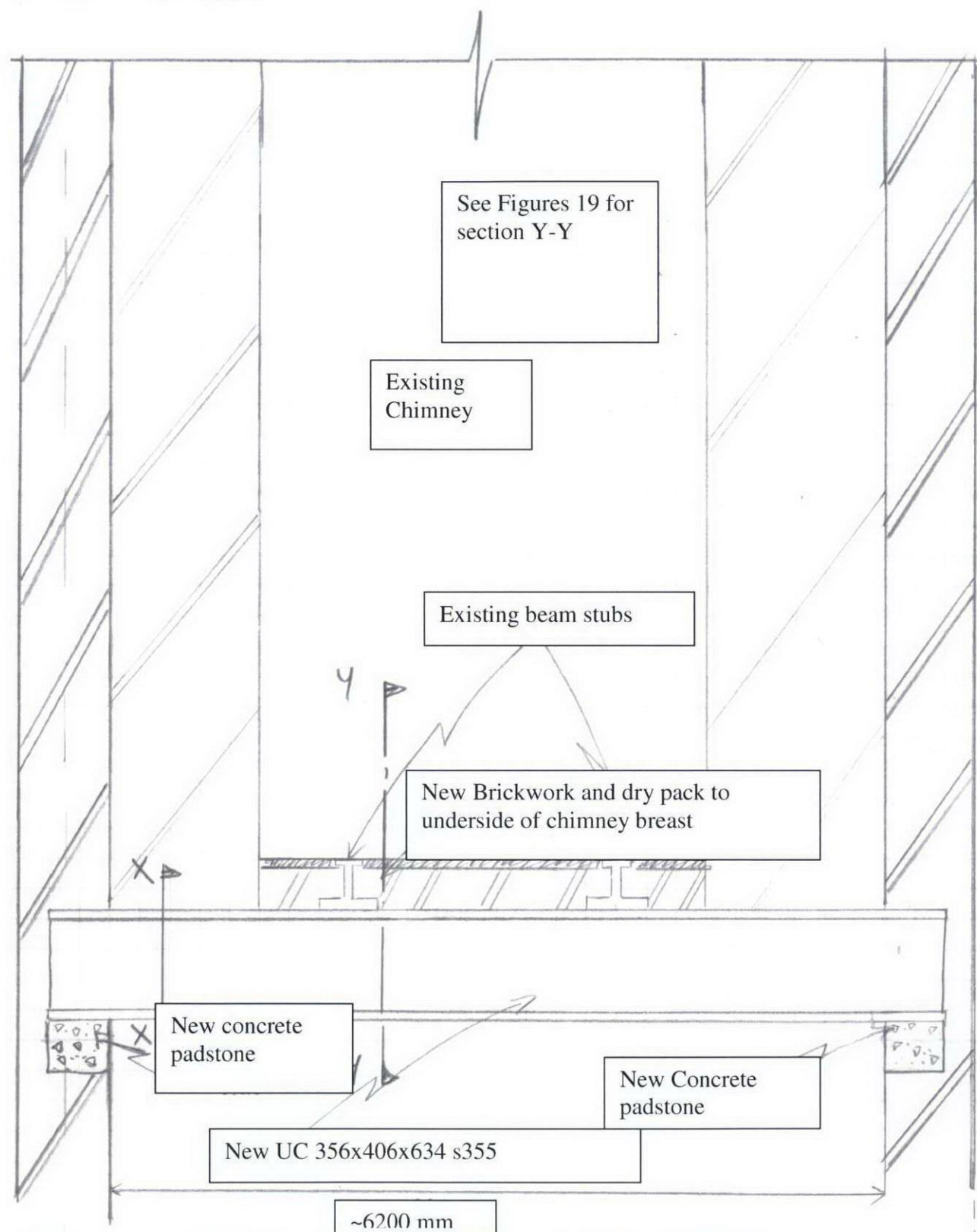


Figure 12 new support for chimney on gridline 10 1st floor (SK052)

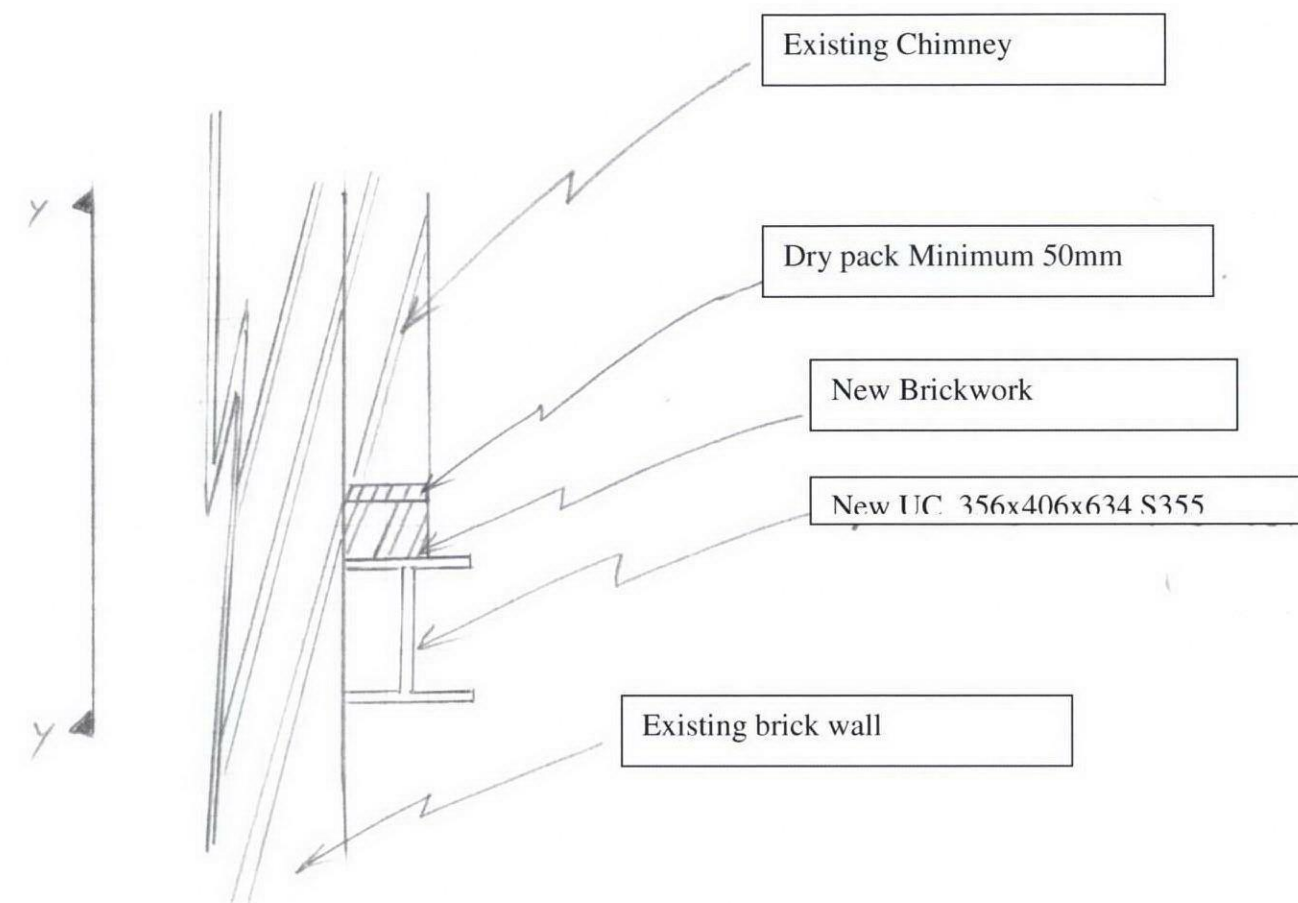


Figure 13 Section Y-Y from figure 13 (SK061)

5 Roof

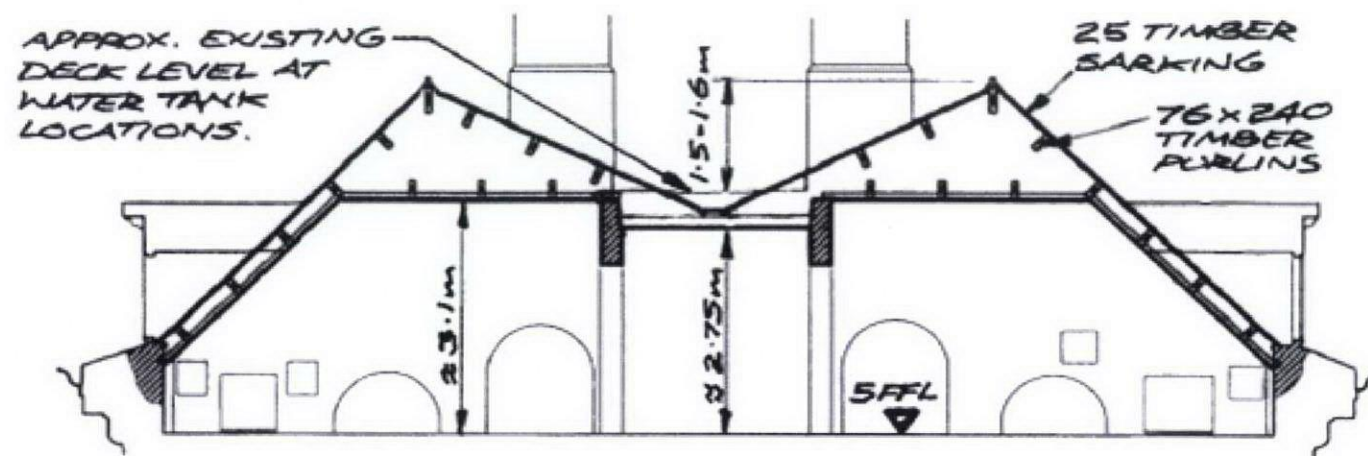


Figure 14 Section illustrating the existing roof layout (SK055)

PROPOSED ROOF IN SECTION

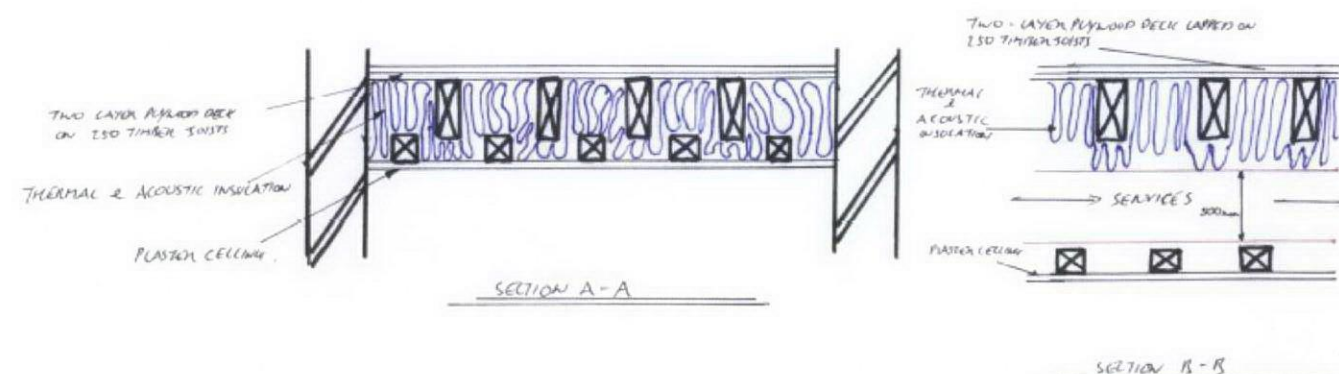
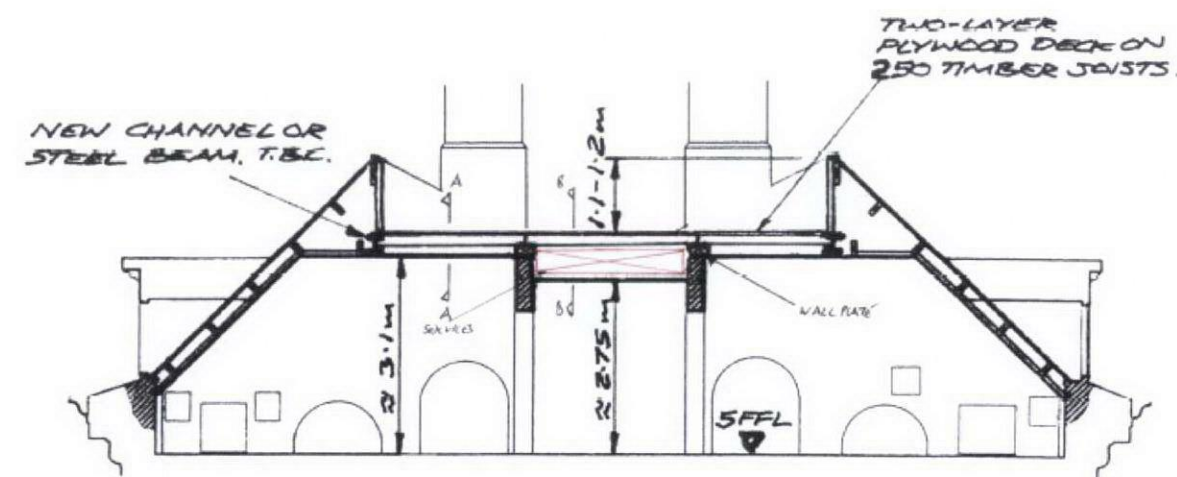


Figure 16 Section illustrating plant accommodation (SK086)

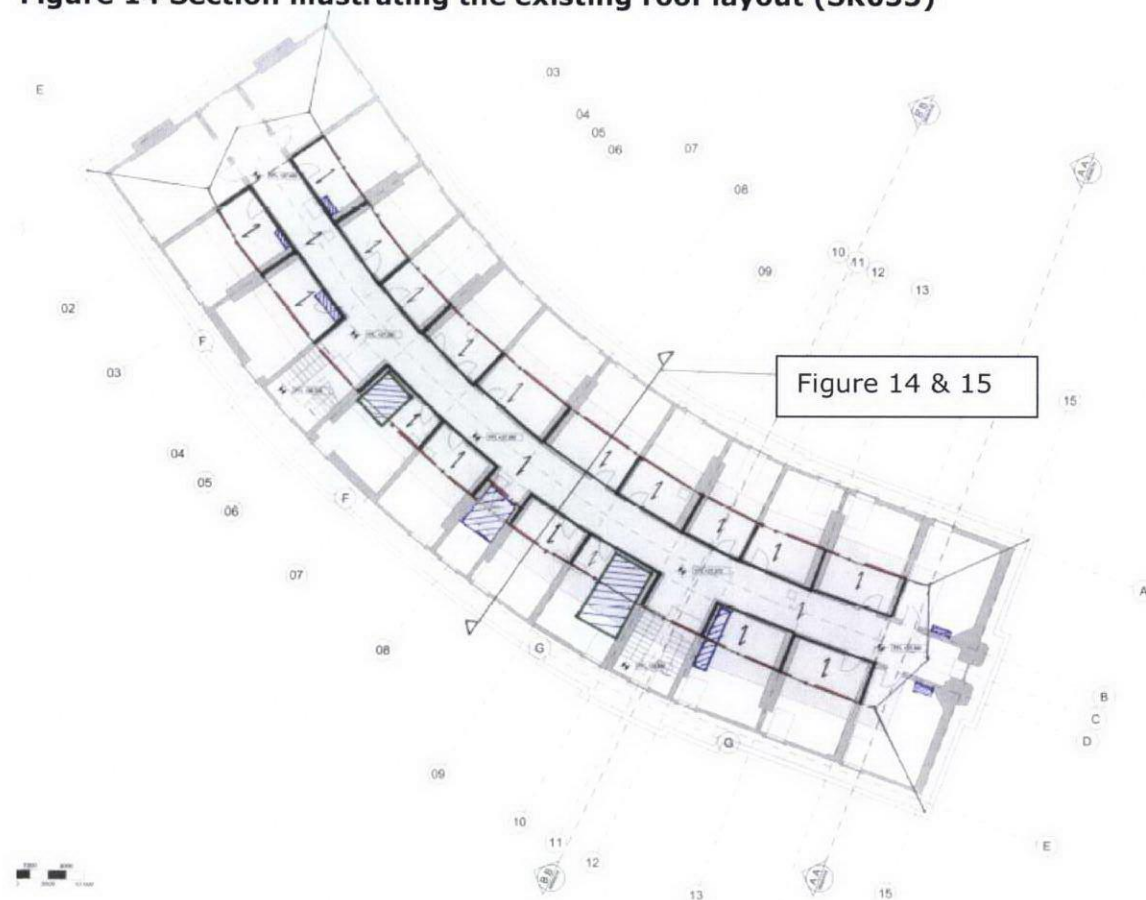


Figure 15 High level 5th floor plan SK069

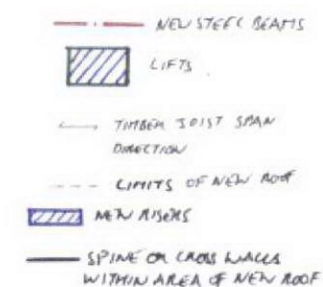


Figure 15 Key

6 Vertical risers and lifts

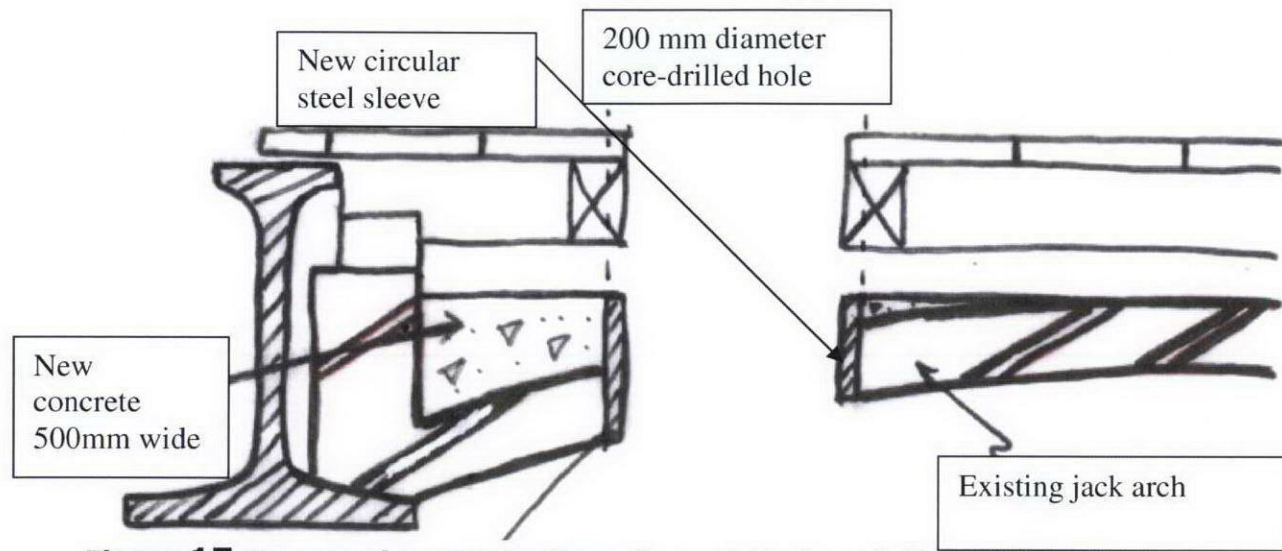


Figure 17 New service penetrations through Jack arch floors (SK069)

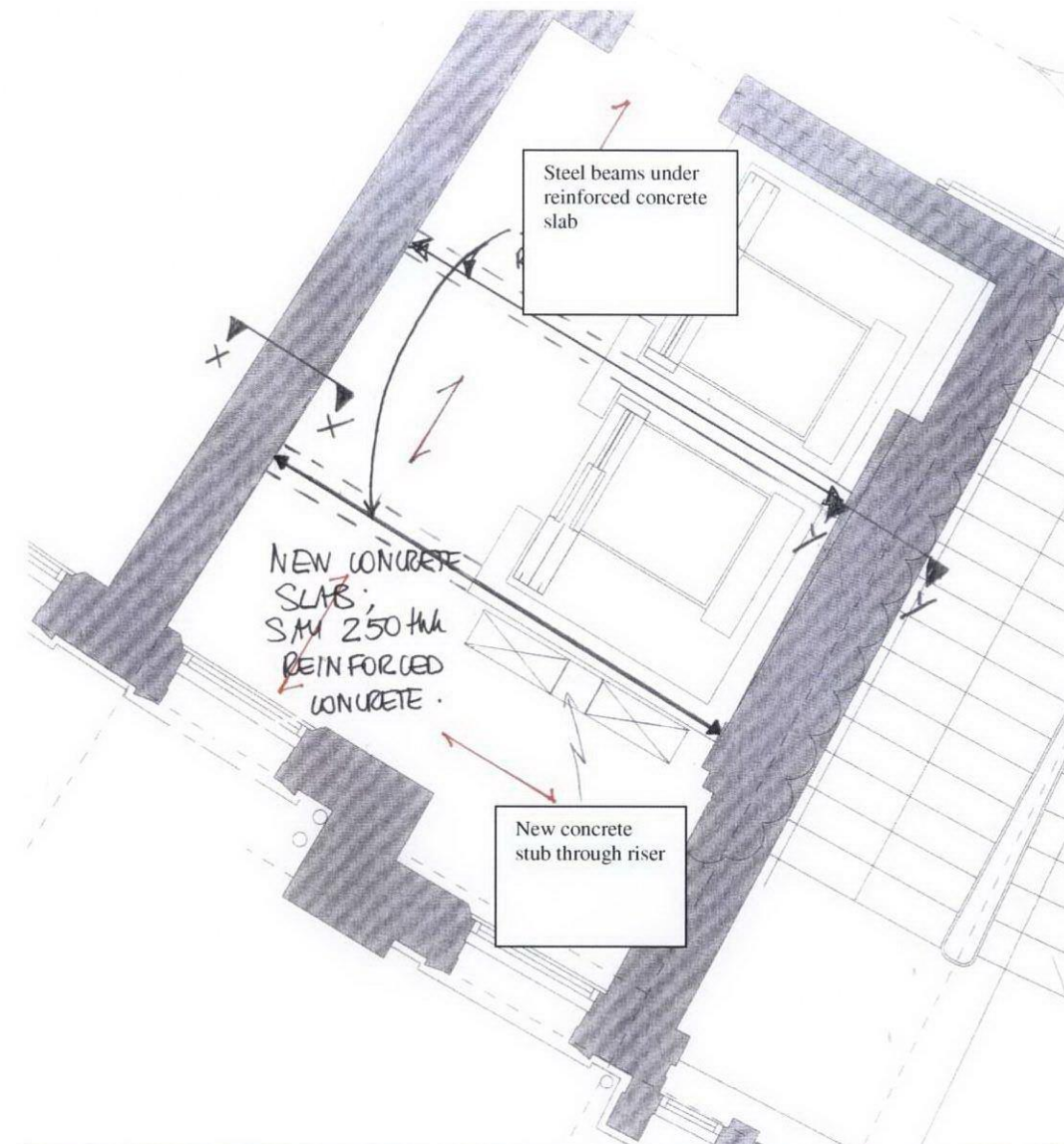


Figure 18 Indicative sketch of the new RC slab around the new lifts (SK062)

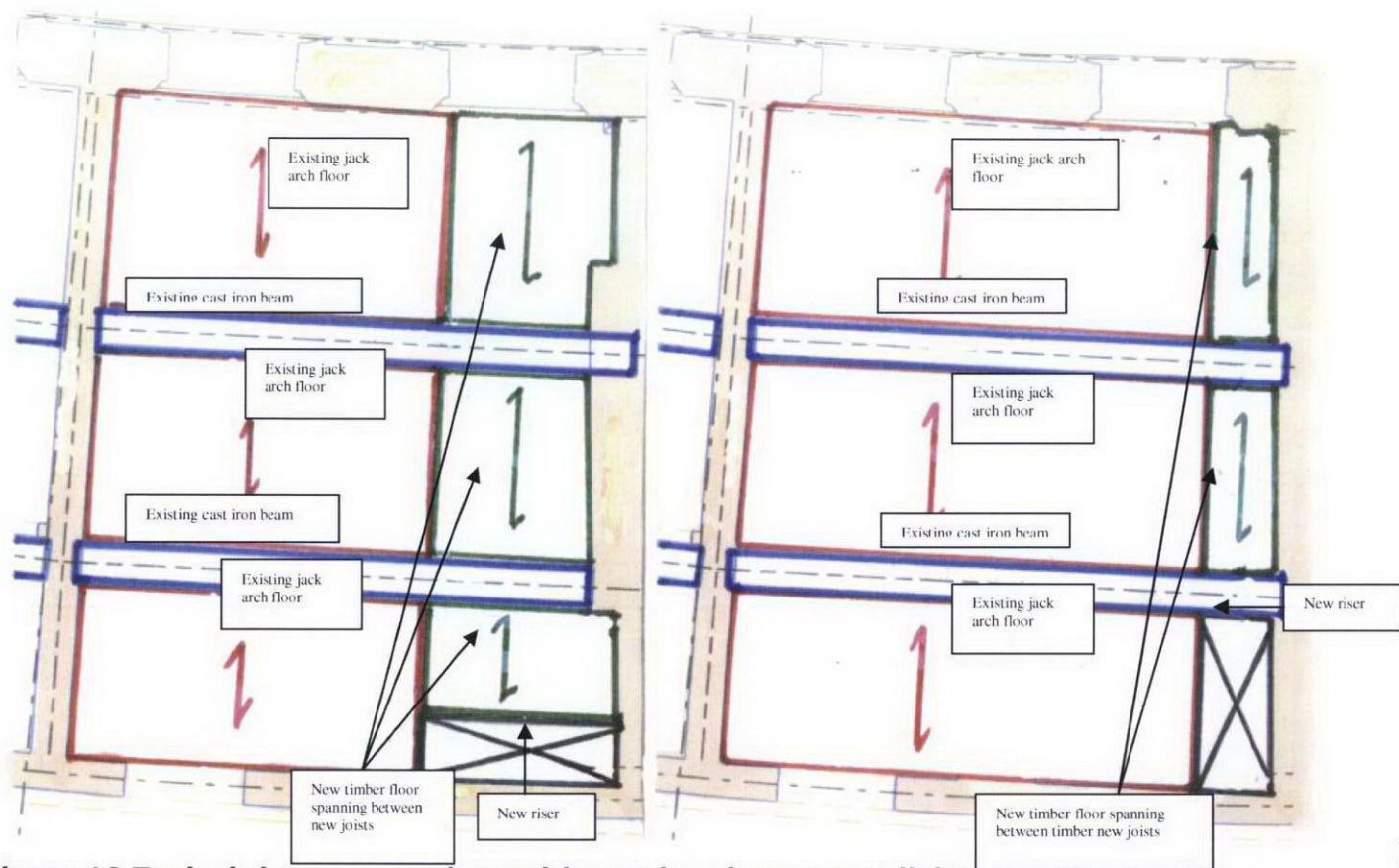


Figure 19 Typical riser penetrations with cast iron beams parallel to external façade

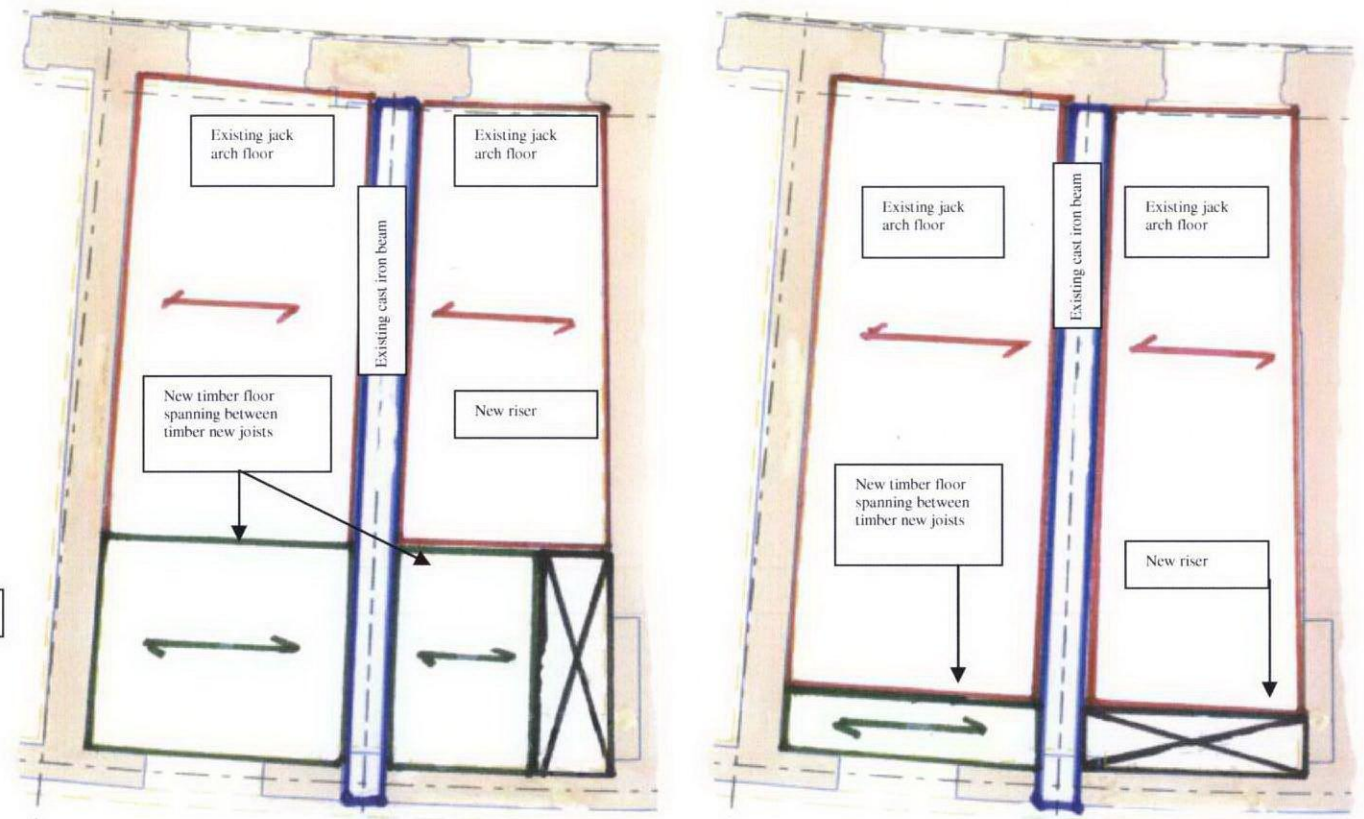
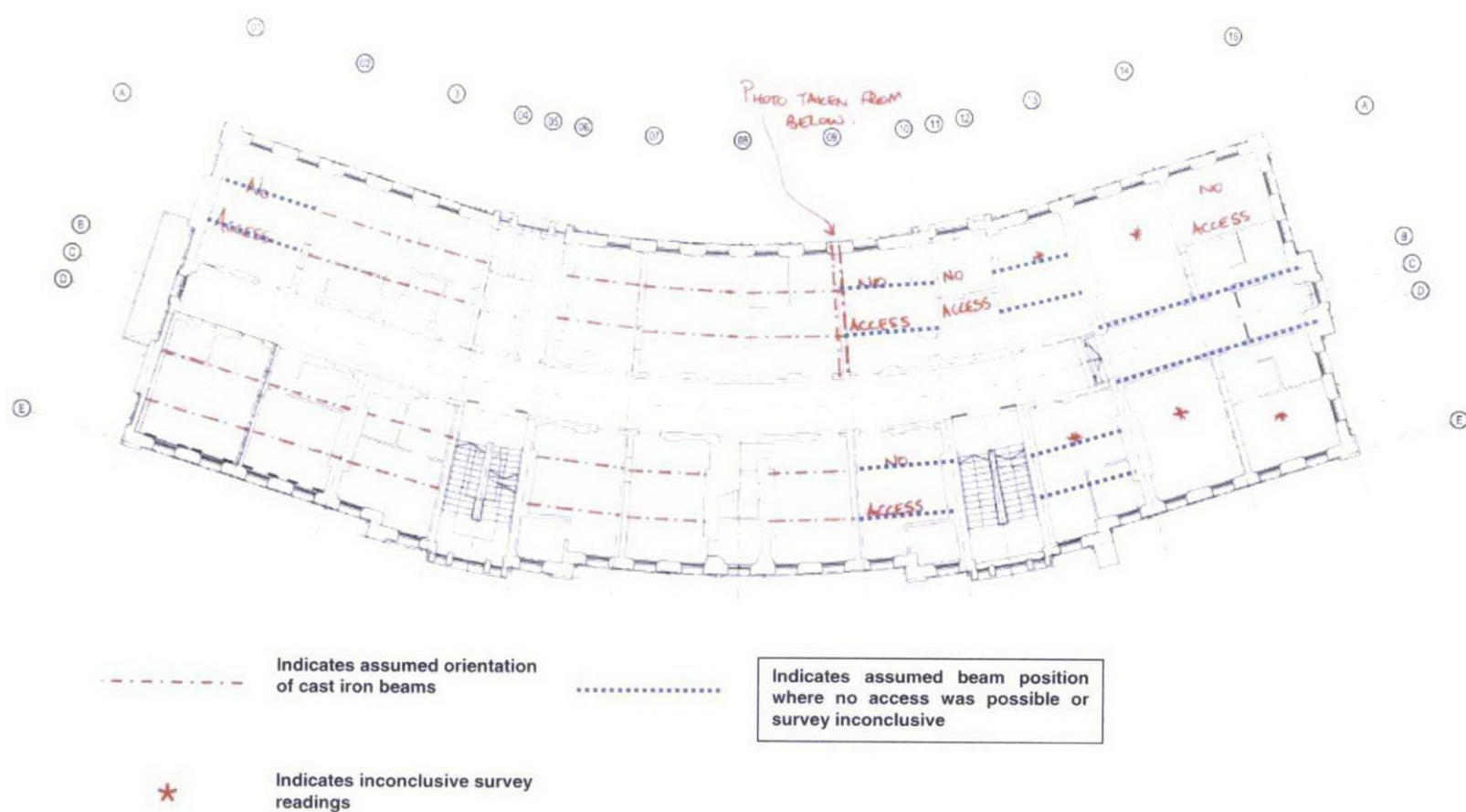


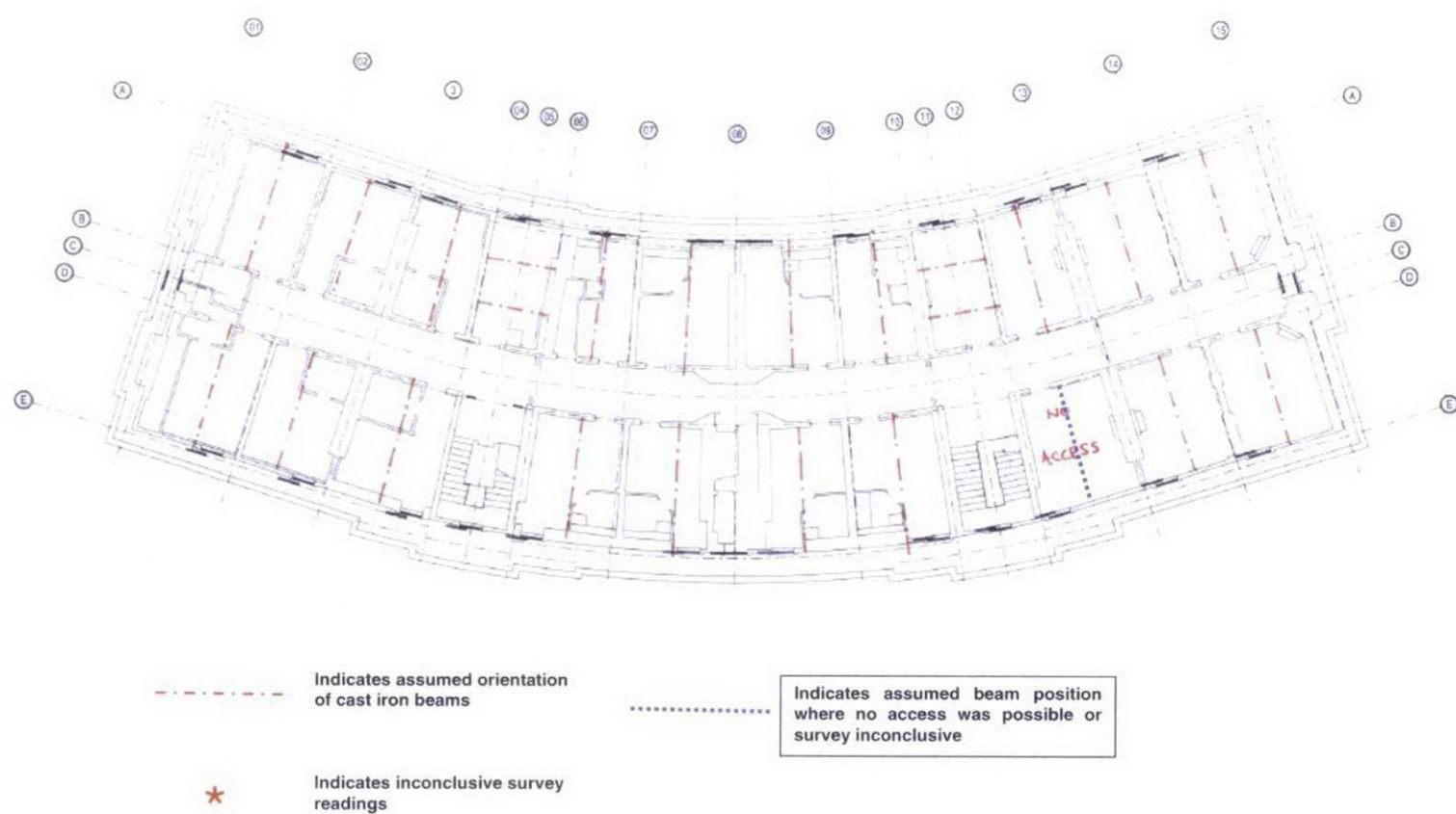
Figure 20 Typical riser penetrations with cast iron beams perpendicular to external façade.

Figure 21 2nd floor cast iron beam layout



Second floor layout indicates a change in iron beam layout

Figure 22 3-5th floor cast iron beam layout



This fifth floor layout continues down through the fourth and third floors