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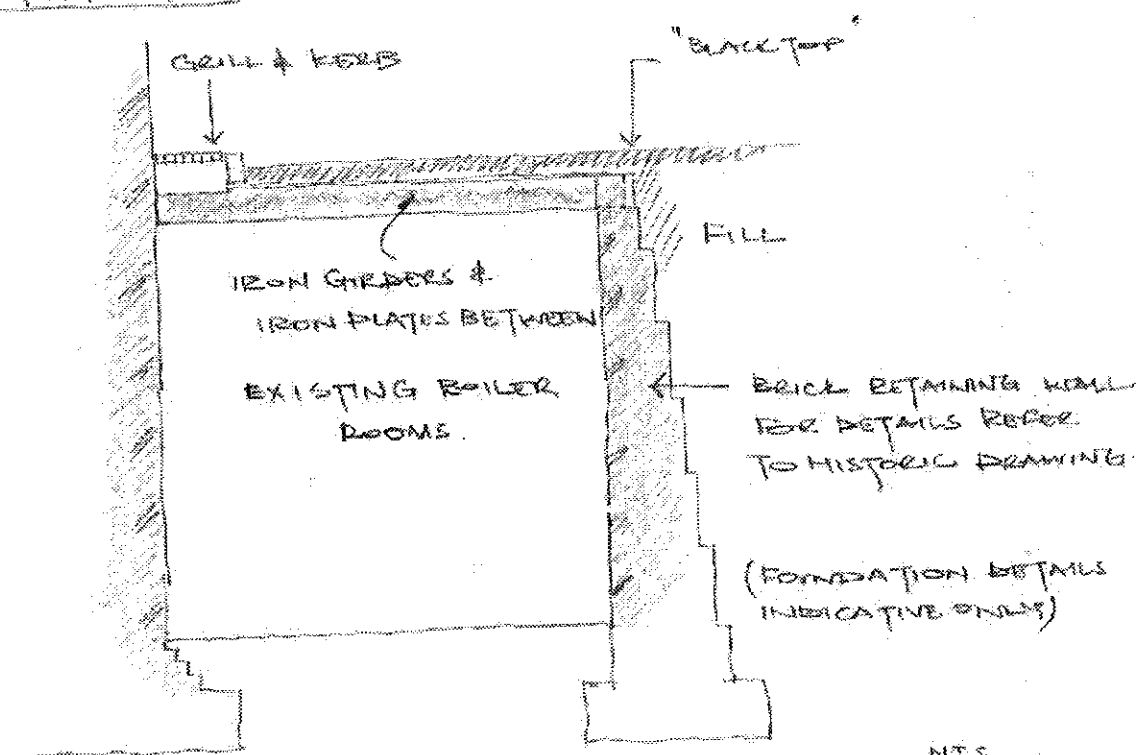
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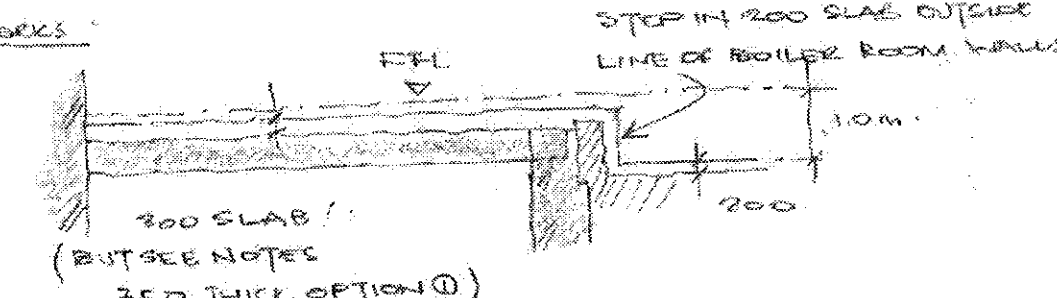
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HOTEL TENISON BOOM FLOOR OVER EXISTING BOILER ROOMS

EXISTING SECTION



NEW WORKS



SLAB & BEAM/JOIST SHOWN ON SKS 253 ASSUMES EXISTING IRON ROOF IN A SATISFACTORY CONDITION TO ACT AS PERMANENT SUPPORT TO THE NEW STRUCTURE.

THE EXISTING IRONWORK NEEDS TO BE FIRE PROTECTED TO ACHIEVE THE SPECIFIED FIRE PERIOD, E.G. INCLUSION OF FIRE BOARDING CEILING.

NOTE OVER EDE ROOM FIRE BOARD SOLUTION MAY NOT BE ACCEPTABLE.

OPTION ①

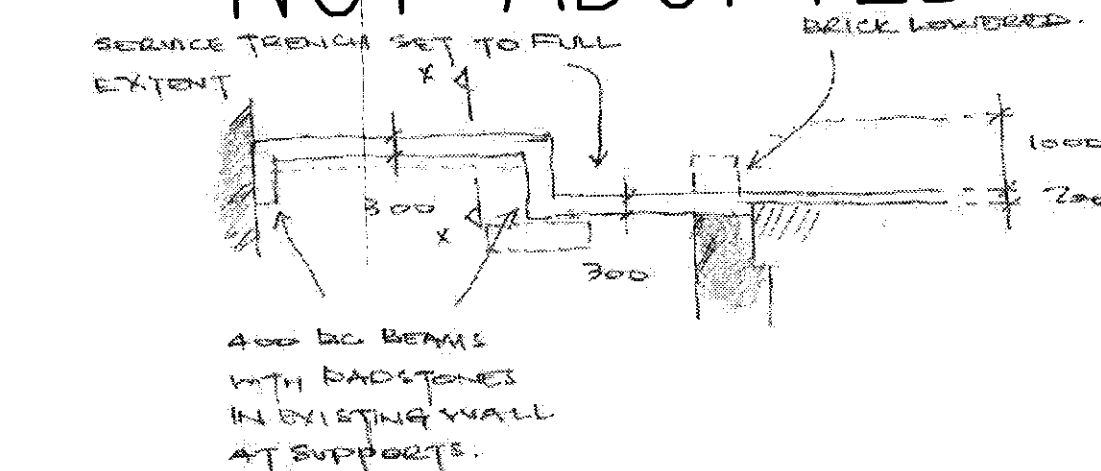
INSTEAD OF PROVIDING A FIRE BOARD CEILING IT MAY BE POSSIBLE TO CAST A THICKER SLAB ON TOP OF THE EXISTING IRON WORK. THIS CLEARLY IS DEPENDENT ON HAVING ENOUGH SPACE - TRIAL FITS WILL HELP DETERMINE THIS.

WOULD NEED EDE AGREEMENT TO RETAINING UNPROTECTED IRON WORK UNDER FIRE RATED SLAB.

OPTION ②

ABOVE ASSUMED POSSIBLE TO RETAIN EXISTING IRONWORK. THE ALTERNATIVE WHERE THIS IS NOT POSSIBLE (OR UNDESIRABLE) IS TO REMOVE & CAST FIRE RATED SELF SUPPORTING SLAB.

PROVIDE CONSTRUCTION DETAILS INTO BASEMENT



New slab options

Existing structure section and new slab details

General Notes:

- Drawings are not to be scaled (images have been scanned).
- For typical Connection Details refer to Drg No. 18000/S_1145.
- Connection design forces shown thus : (_kN), acting downwards. All forces are factored. Where such connection forces are only shown at one end of the beam it should be assumed the force is the same at both ends.
- Concrete grade to insitu beams and slabs (not on steel decking) to be RC40, refer to Arup concrete specification details. Nominal cover to all reinforcement to be 30mm, to BS8500.
- Concrete grade to insitu slabs on permanent metal decking to be RC30, refer to Arup concrete specification for details. Nominal Cover to be 30mm.
- For Temporary Works proposals refer to Drg No. 111800/S_1147 & S_1743.
- Concrete upstand to all levels at front of lift to be provided. Refer to Drg No. 118000/S_1146 Detail 'F'.
- Locations of Existing W.L. Beams to be confirmed to Engineer prior to demolition.
- Any discrepancies between Architect's & Engineer's Drawings to be highlighted to both parties.
- All general dimensional information & setting out to be referred to Architect's Drawings.
- Lifting beams & secondary lift steelwork to be Contractor designed.
- Proposed method statement & construction sequence to be agreed with Engineer.

C1	05/03/07	JL	JB	BJ
Issued for construction				
Issue	Date	By	Chkd	Appd

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Client

Manhattan Lofts
Corporation Limited

Job Title
St. Pancras Chambers

Drawing Title
Platform Level
Slab Over Existing Boiler Rooms

Scale at A1

Plot ID 16384756-62A9-407D-AE58-76CAF21032ED

Drawing Status

Construction

Job No	Drawing No	Issue
118000	S_4016	C1