

JOB TITLE **UNIVERSITY OF LONDON**
SENATE HOUSE

JOB NO
P2000078

BDP

ELEMENT **ENABLING WORKS**
DETAILS OF NEW TRENCH COVERS

CALC SHEET NO
S/5K.15

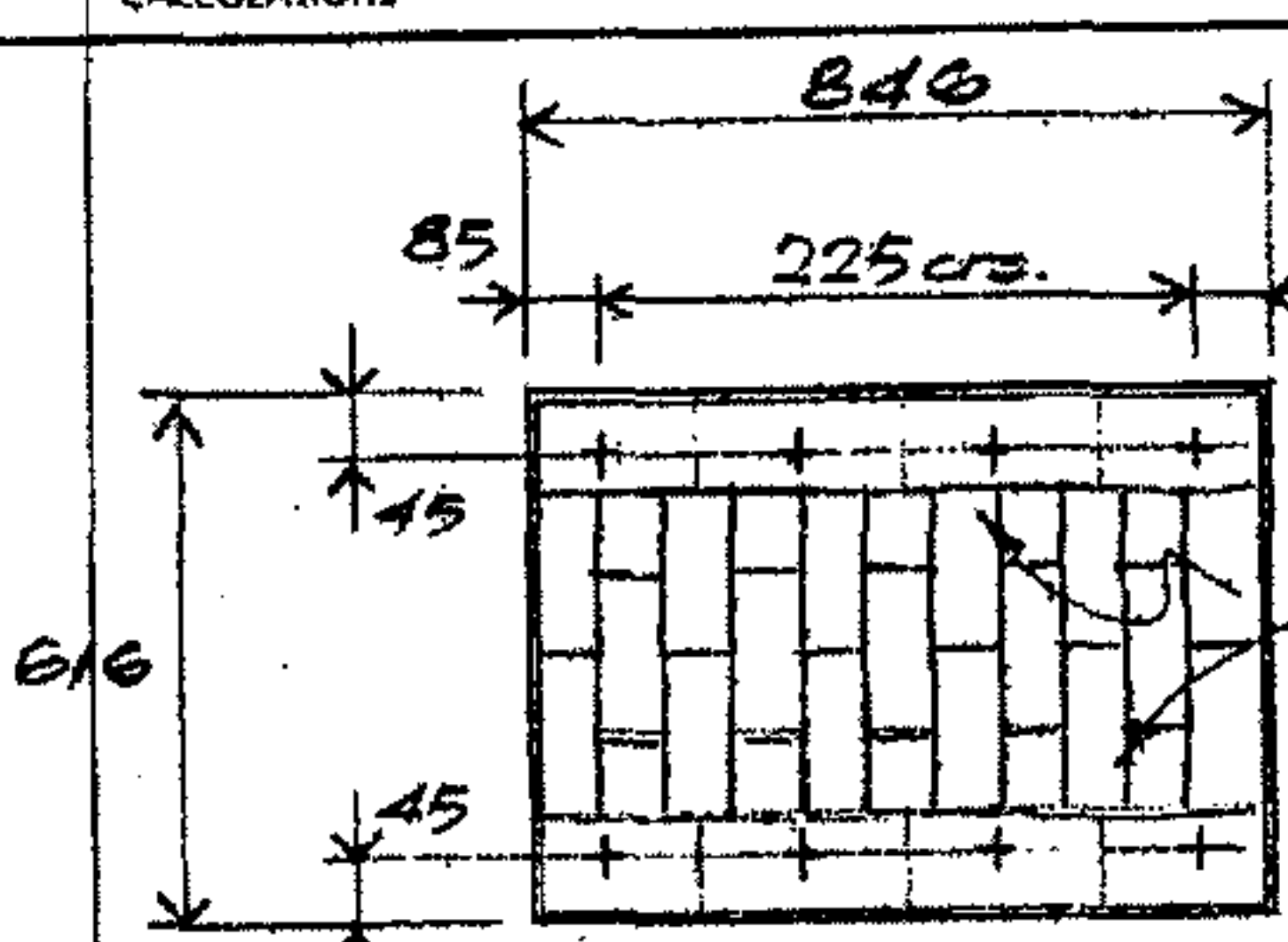
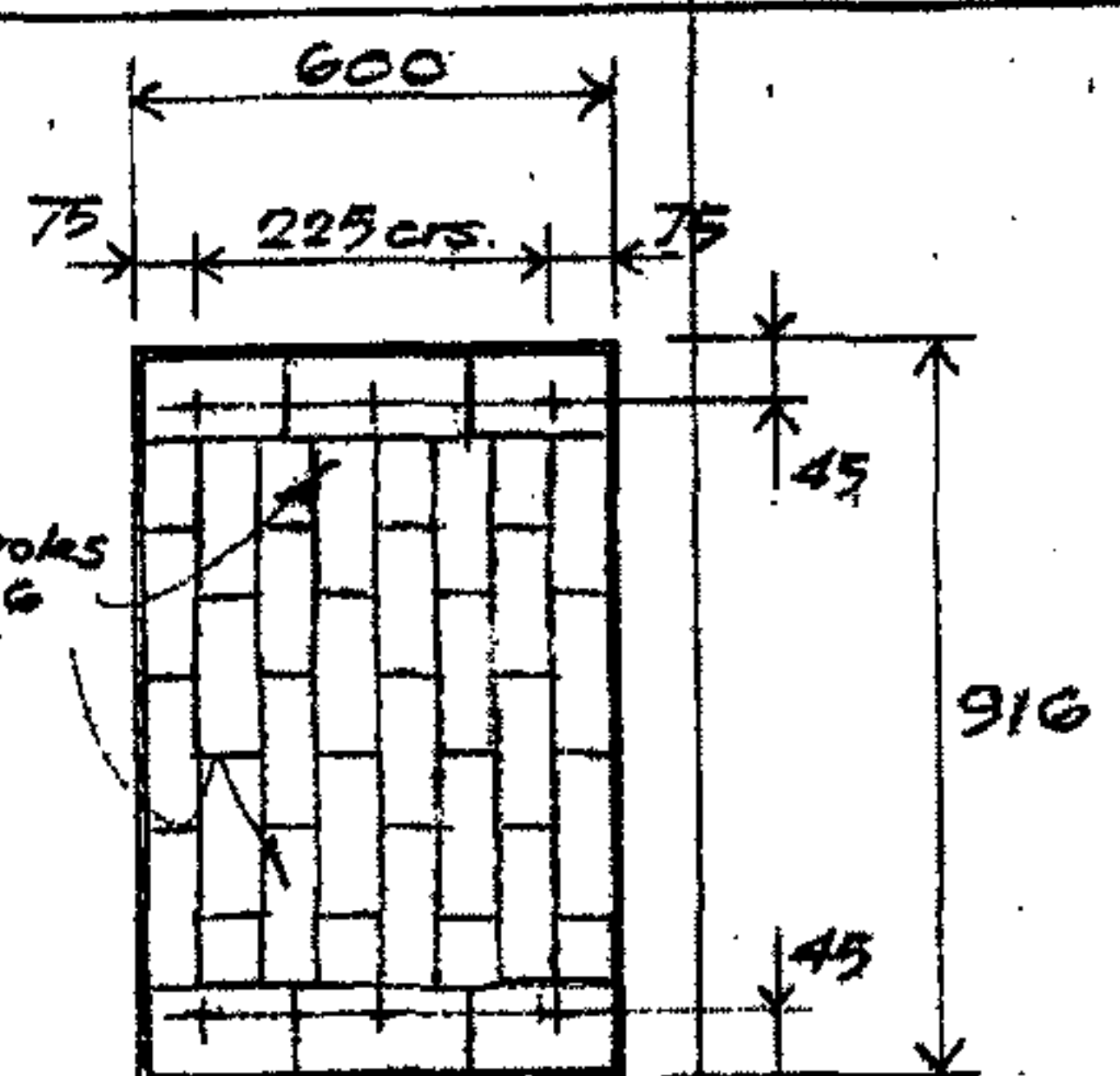
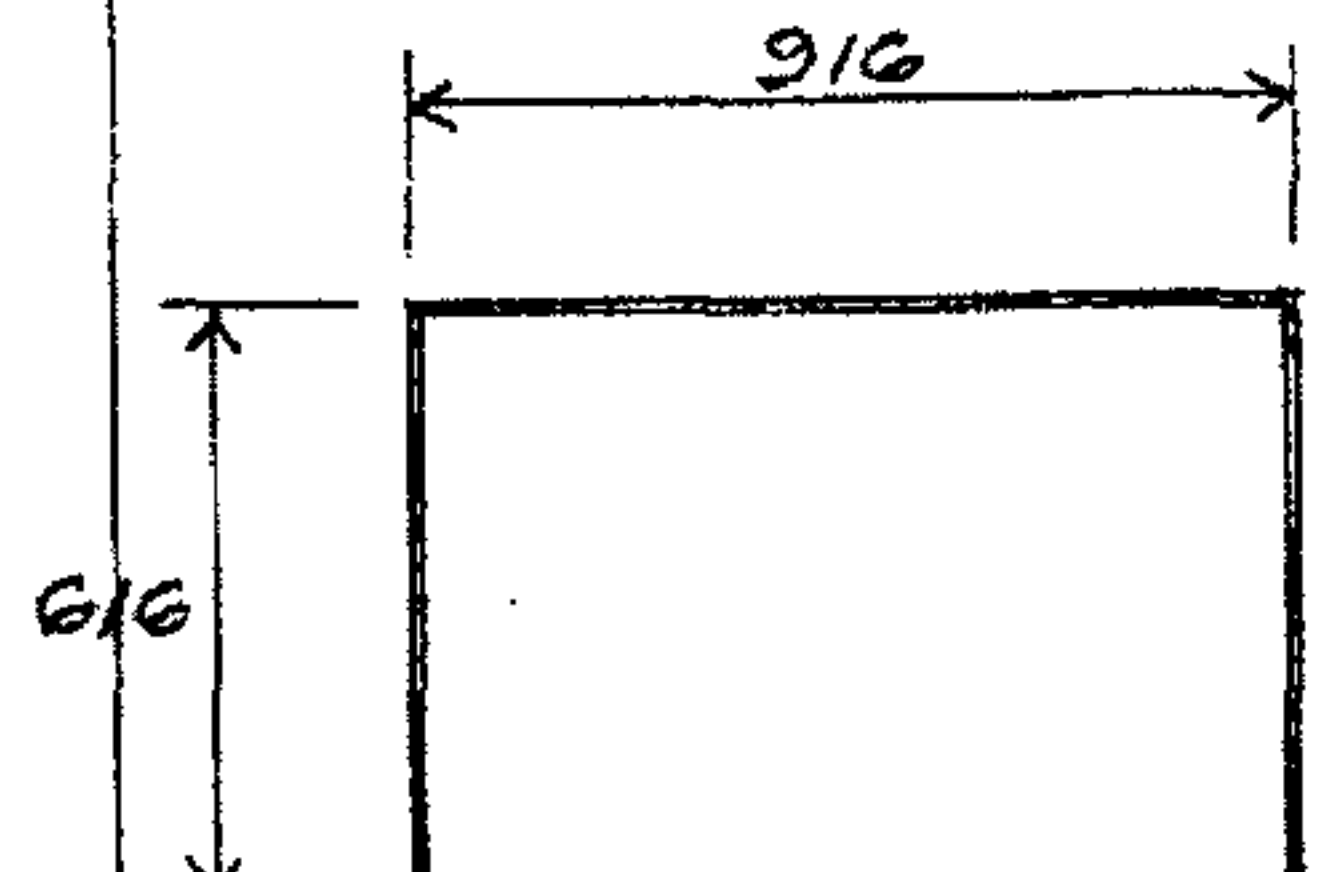
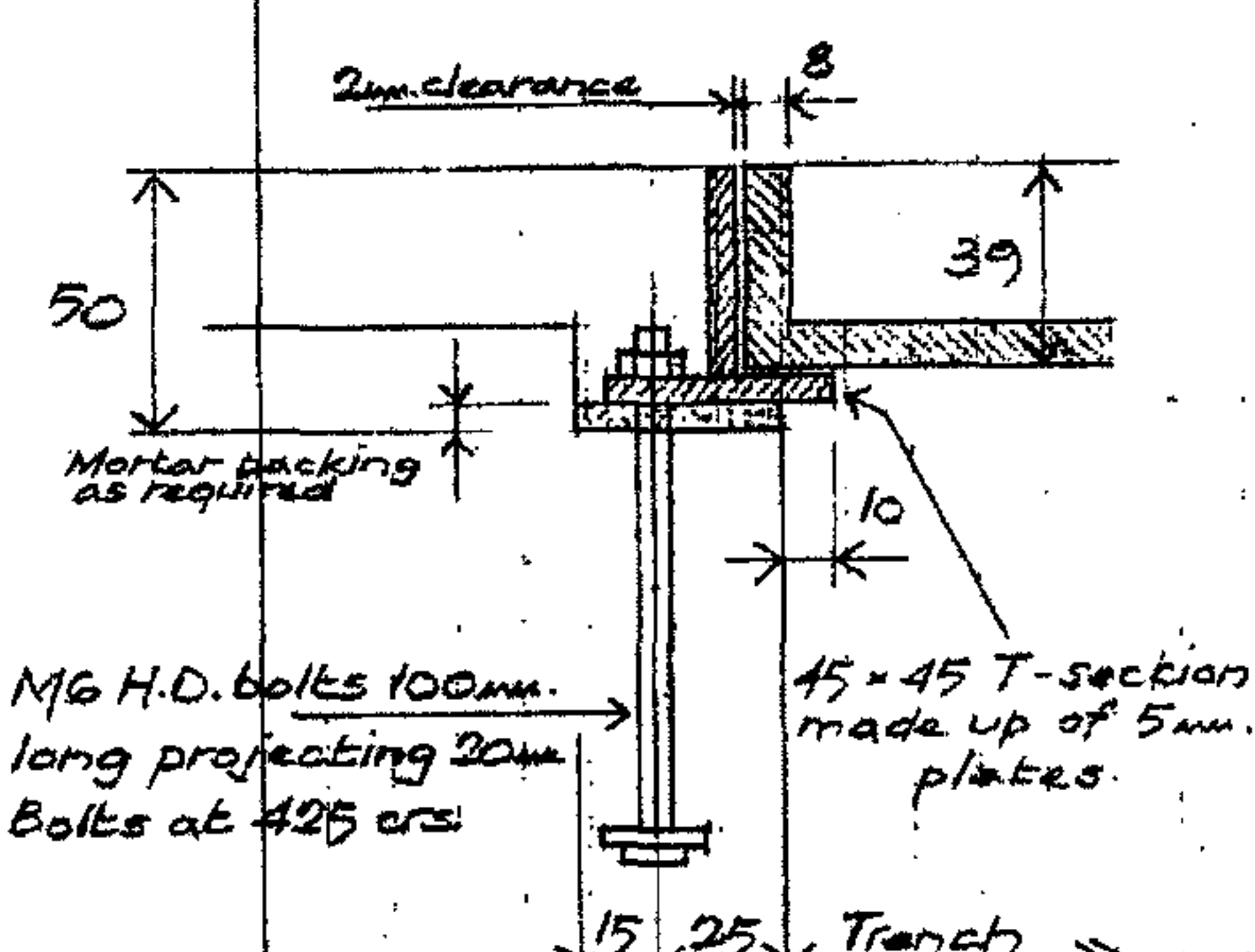
Calculation Sheet

CHECKED BY

DATE

CALCULATIONS BY
D.H.P.

DATE
AUGUST '06

REFERENCE	CALCULATIONS	OUTPUT
	 NEW COVER FOR 600mm. WIDE TRENCH	 NEW COVER FOR 900mm. WIDE TRENCH
	 NEW COVER FOR SERVICE TUNNEL ACCESS	• All new covers to be from 8mm. thick plate (Grade 50). • Covers to be galvanised. • Lifting key holes in new covers to match existing.
	 DETAIL AT TRENCH COVER SEATING	NEW TRENCH COVERS TO EXISTING DUCTS Basement slab broken out to expose existing ducts and reinforcement cut back to lines of duct walls. Profile at top of duct wall/basement slab modified to provide seating detail shown. Final dimensions for covers to be determined from site measurement together with bolting of T-section to concrete.
		Scale 1:20 1:2.5

JOB TITLE	UNIVERSITY OF LONDON			JOB NO	P2000078
ELEMENT	SENATE HOUSE			CALC SHEET NO	S/SK.16
DRAWING REF	STRUCTURAL DETAILS - RISER 1.1			DATE	JUNE 2006
CHECKED BY	DATE	CALCULATIONS BY	D.H.P.		



Calculation Sheet

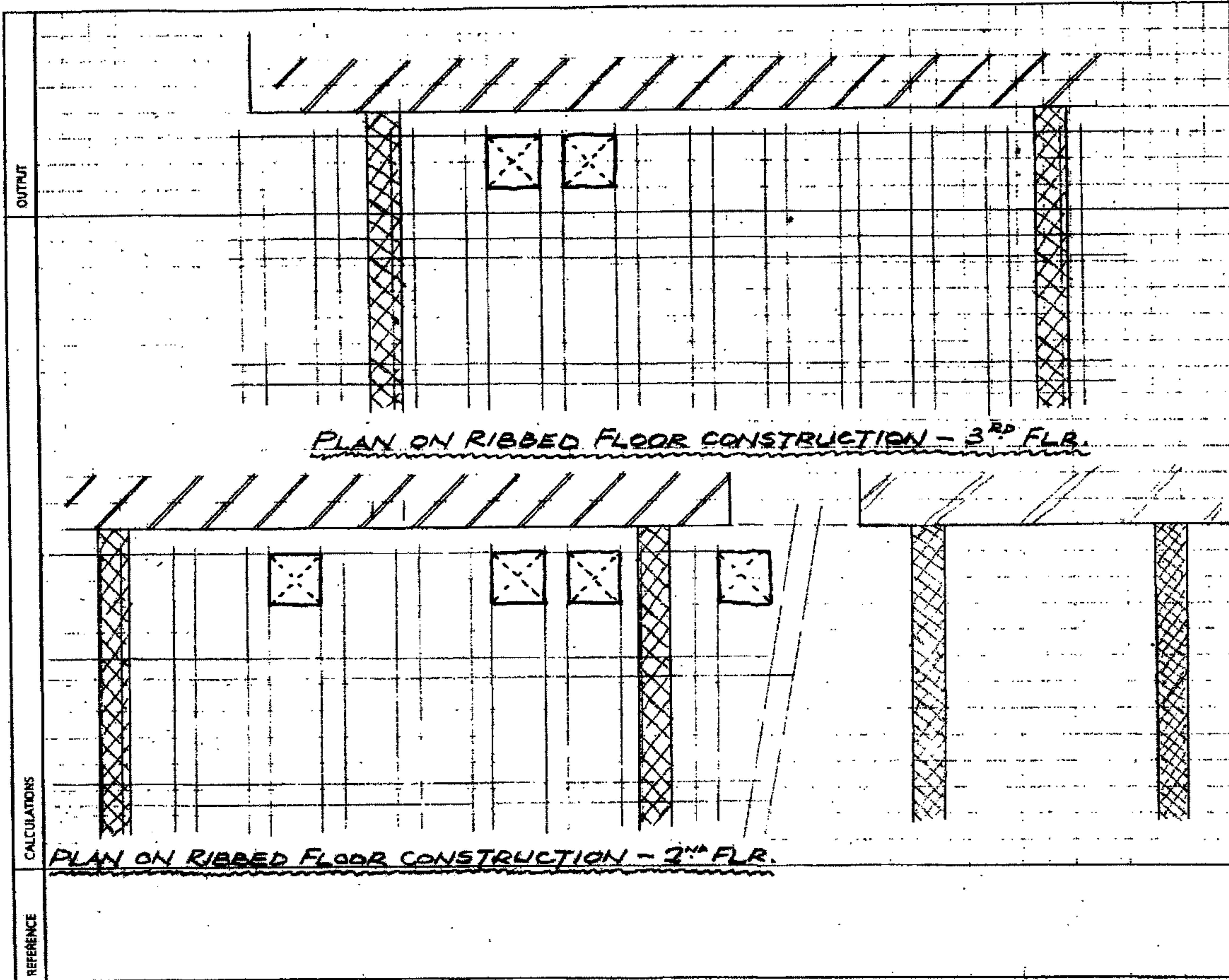
REFERENCE	CALCULATIONS	OUTPUT
	<u>PLAN ON RIBBED FLOOR CONSTRUCTION - GRD. FLR.</u>	<u>PLAN ON RIBBED FLOOR CONSTRUCTION - 1ST FLR.</u>

SCALE 1:25



Calculation Sheet

JOB TITLE	UNIVERSITY OF LONDON	JOB NO	P2000078
ELEMENT	SENATE HOUSE	CALC SHEET NO	S/SK. 17
DRAWING REF	PHASE 2 WORKS	DATE	JUNE 2006
CHECKED BY	STRUCTURAL DETAILS - RISER 1.1	CALCULATIONS BY	D.H.P.
	SHEET 2		

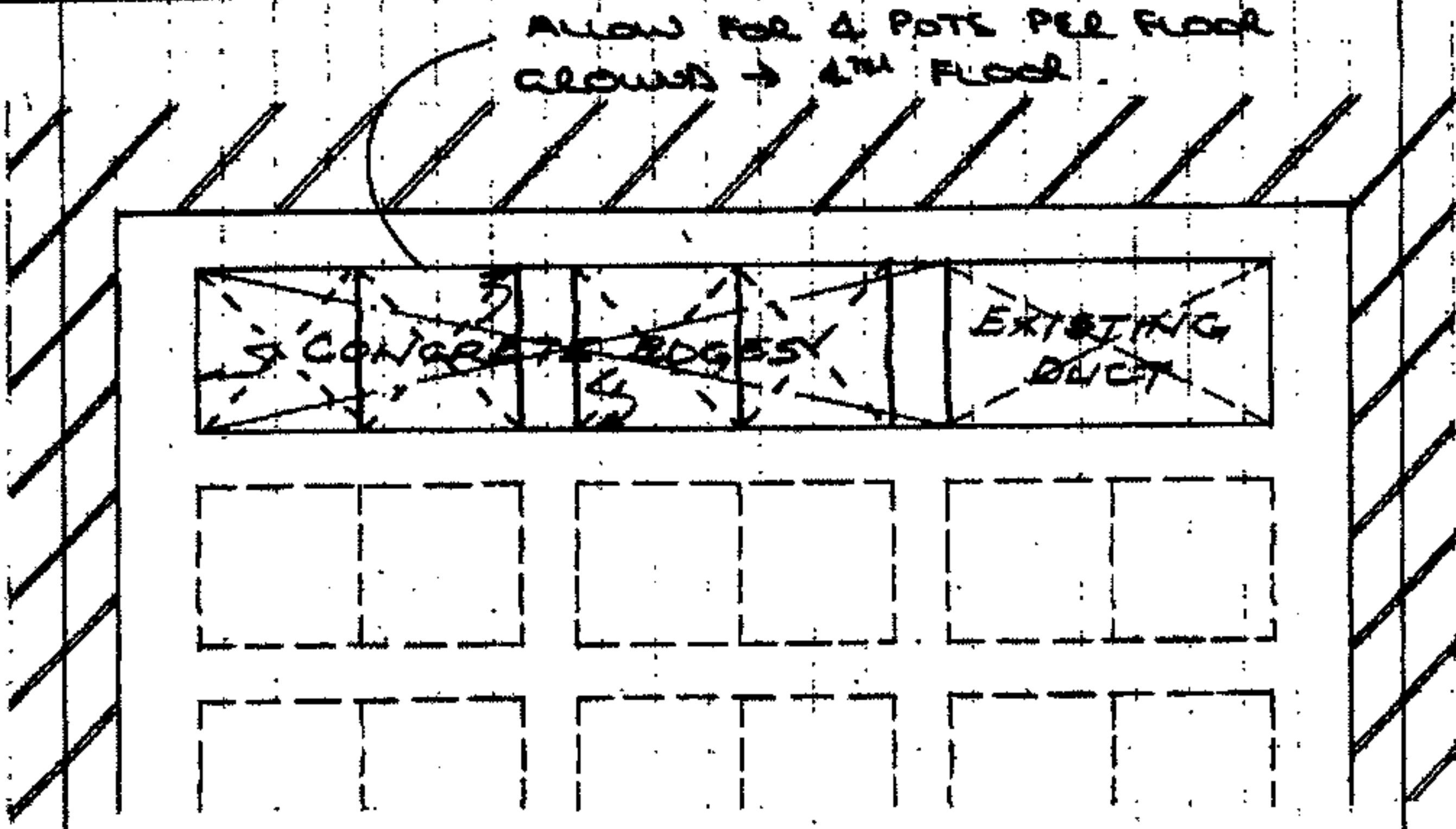


SCALE 1:25

JOB TITLE UNIVERSITY OF LONDON SENATE HOUSE		JOB NO P2000078	
ELEMENT PHASE 2 WORKS STRUCTURAL DETAILS - RISER 4.1		CALC SHEET NO S/SK 19	
DRAWING REF.			
CHECKED BY	DATE	CALCULATIONS BY D.H.P.	DATE JUNE 2006



Calculation Sheet

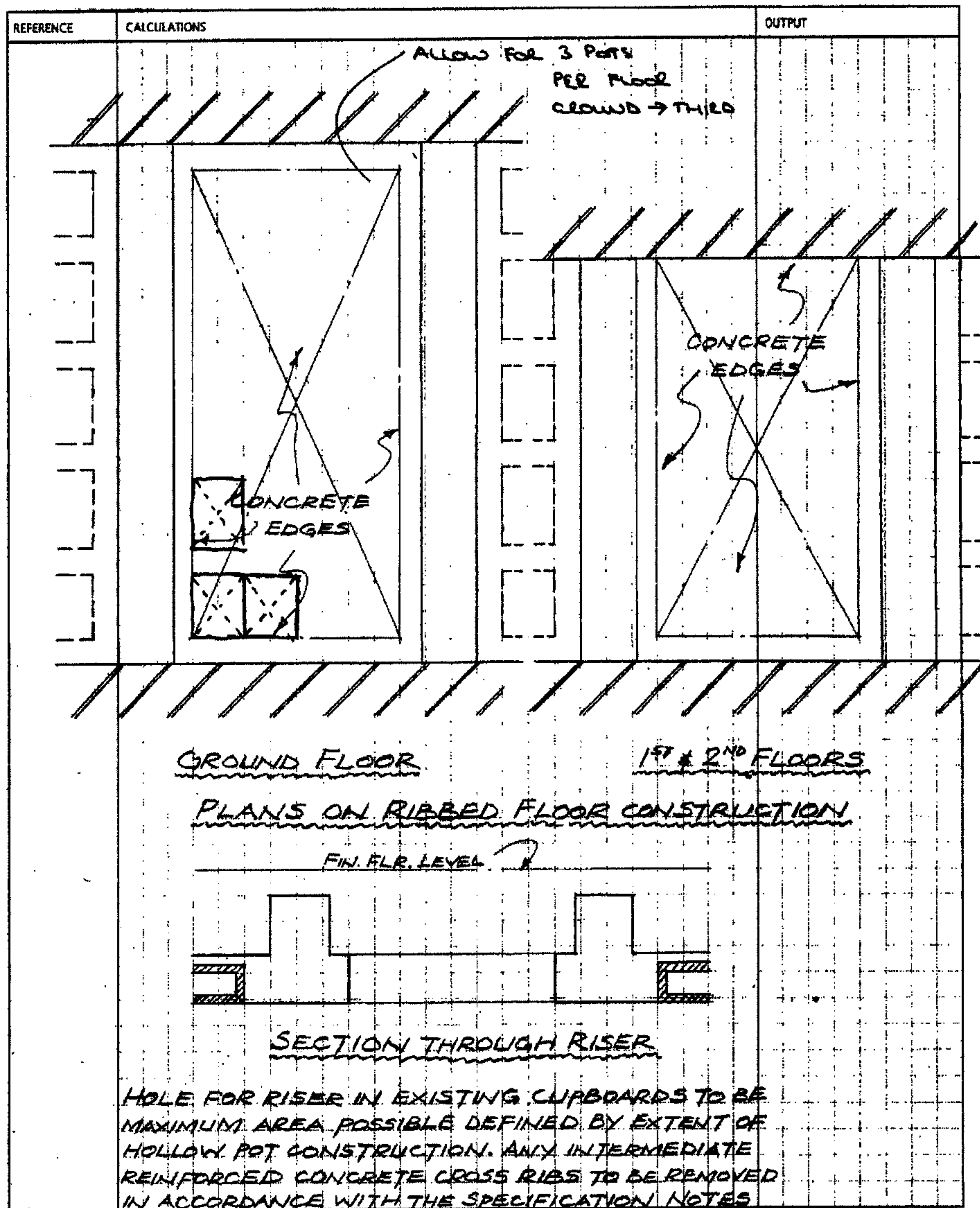
REFERENCE	CALCULATIONS	OUTPUT
	ALLOW FOR 4 POTS PER FLOOR CROWNED → 4TH FLOOR  <u>PLAN ON RIBBED FLOOR CONSTRUCTION</u> ⊕ FINAL SIZE OF NEW RISER TO BE DETERMINED ON SITE AND TO BE DEFINED BY EXTENT OF HOLLOW POT CONSTRUCTION. INTERMEDIATE REINFORCED CONCRETE RIBS TO BE REMOVED IN ACCORDANCE WITH THE SPECIFICATION NOTES	

SCALE 1:20

JOB TITLE UNIVERSITY OF LONDON		JOB NO P2000078	
SENATE HOUSE			
ELEMENT PHASE 2 WORKS		CALC SHEET NO	
STRUCTURAL DETAILS - RISER 3.1		S/SK 18	
DRAWING REF			
CHECKED BY	DATE	CALCULATIONS BY	DATE
		D.H.P.	JUNE 2000



Calculation Sheet



SCALE 1:20