

SCHEDULE OF PILES					
LENGTH OF SHAFT ABOVE	DIA OF MAIN RE-INF.	STIRRUPS			
		NEAR HEAD	CENTER	PILE END	
(-)>2000 cut off length (-)1500	450	4-16+4-12 MM	8 mm @ 50 C/C	8 mm @ 150 C/C	8 mm @ 100 C/C

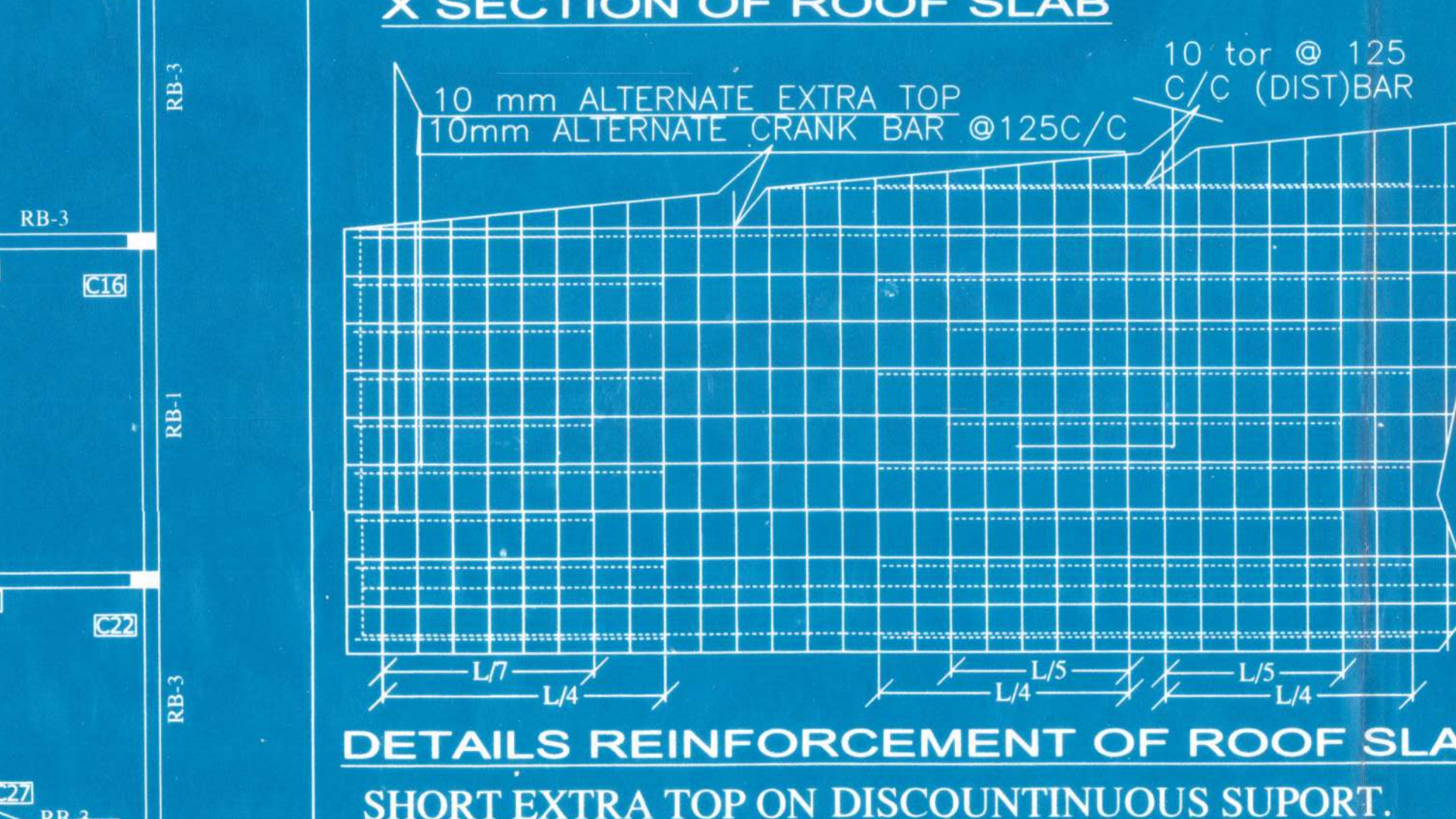
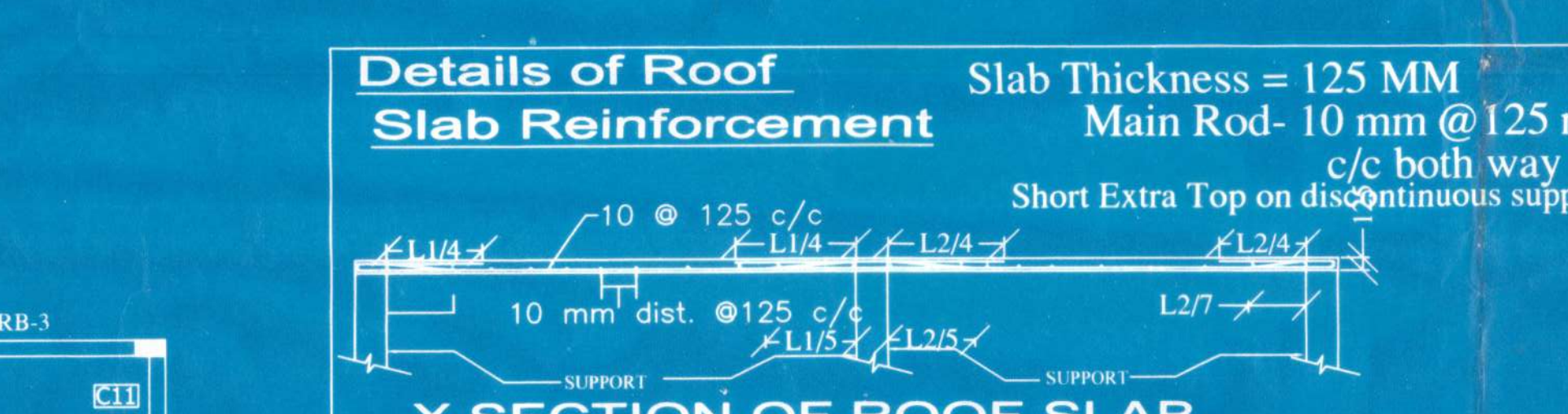
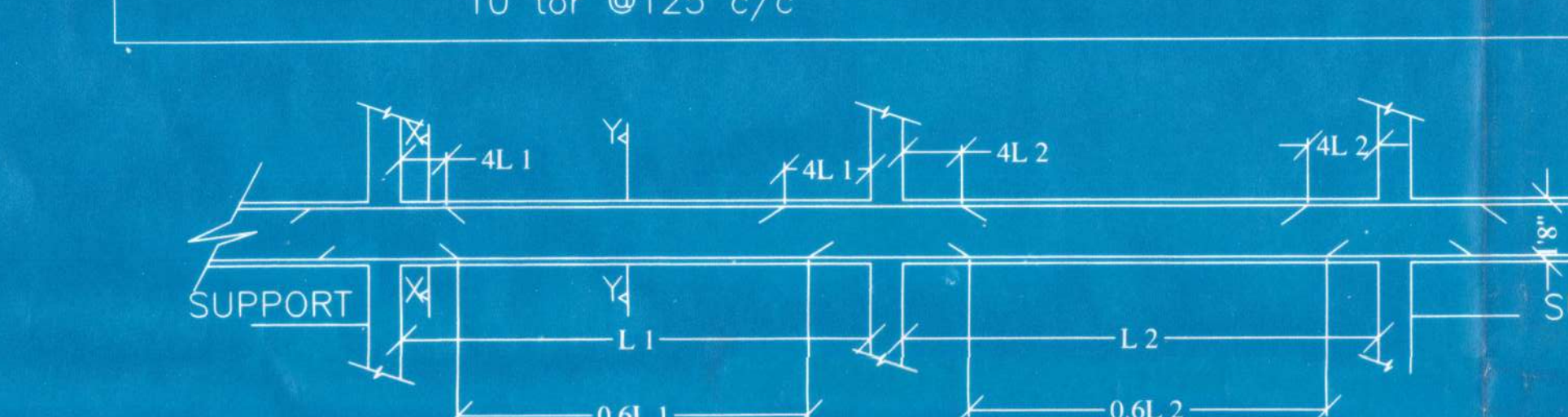
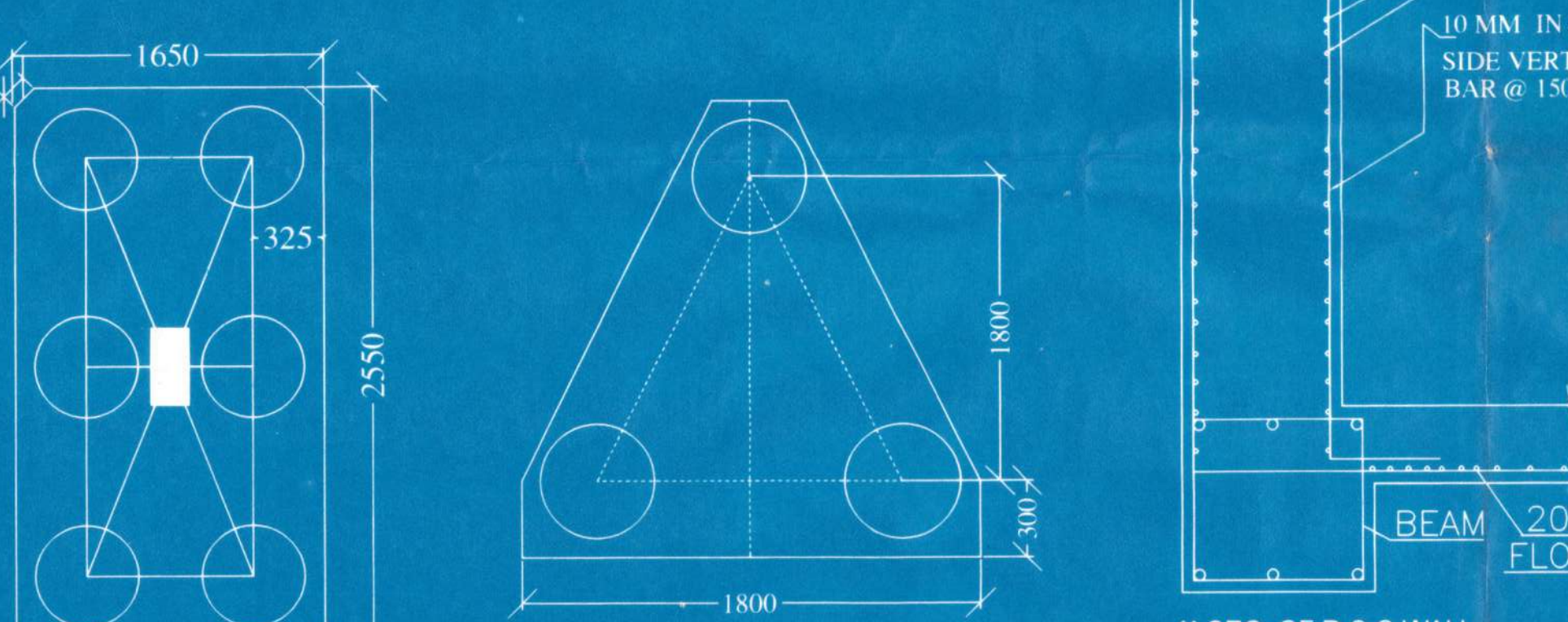
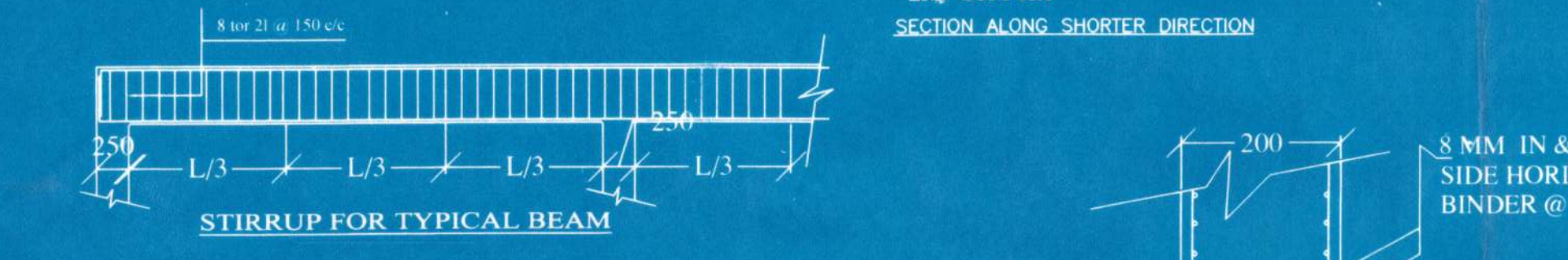
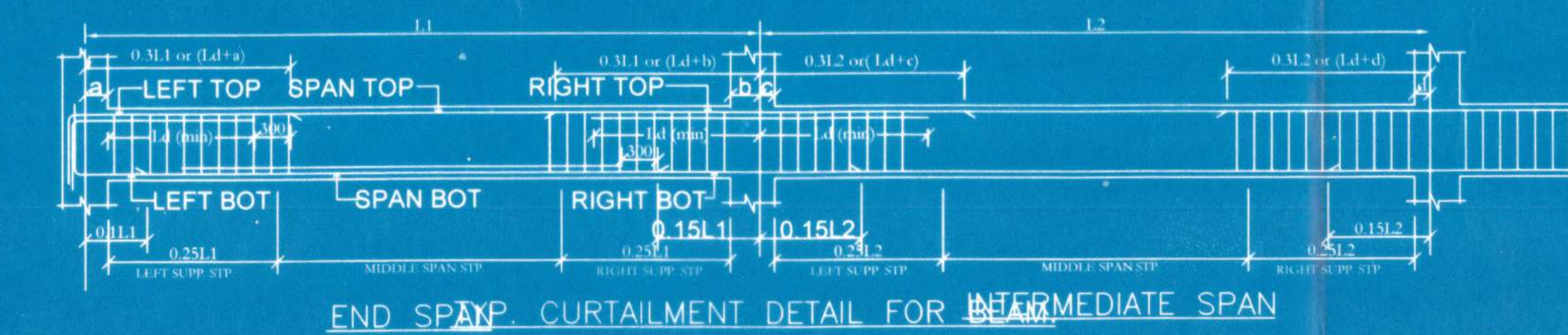
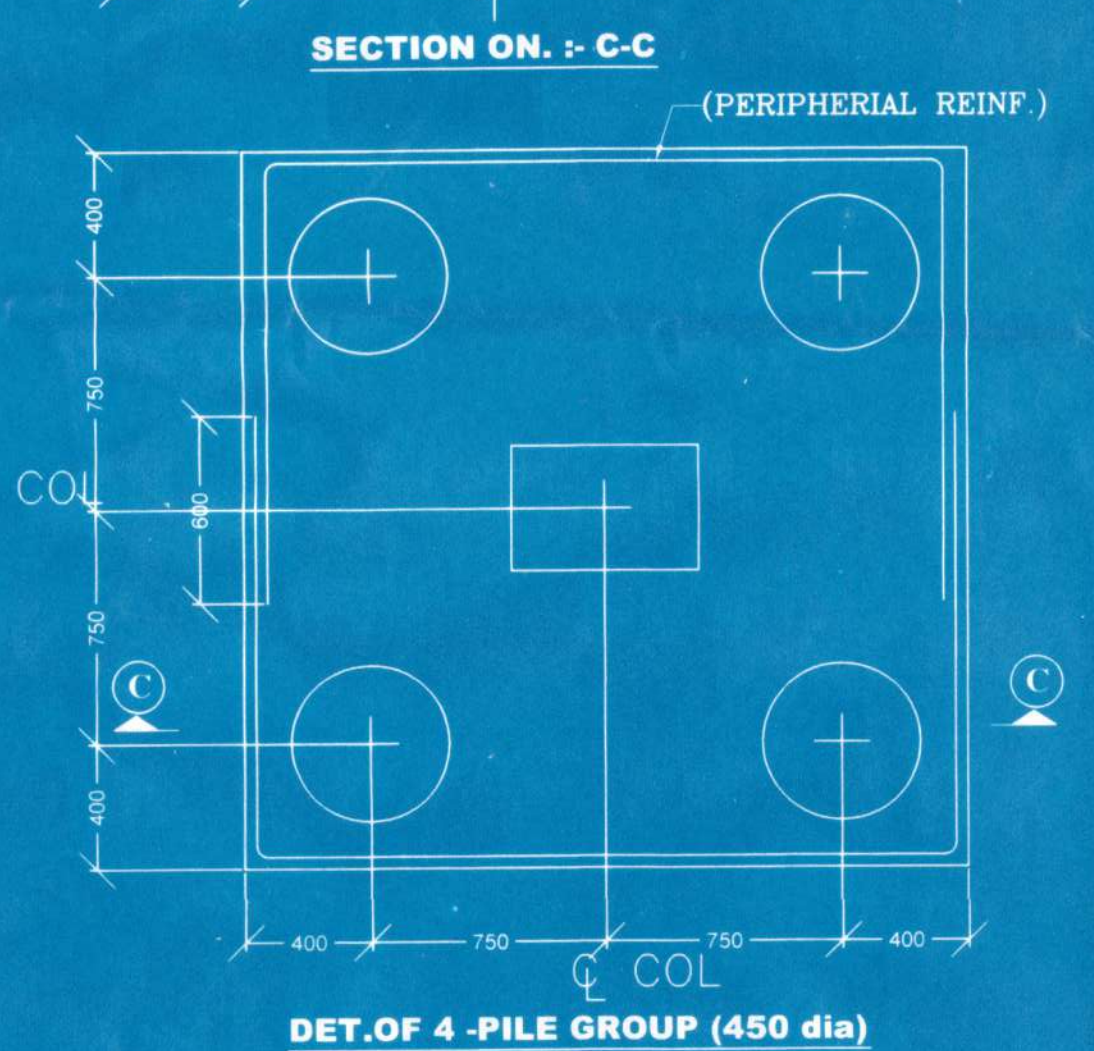
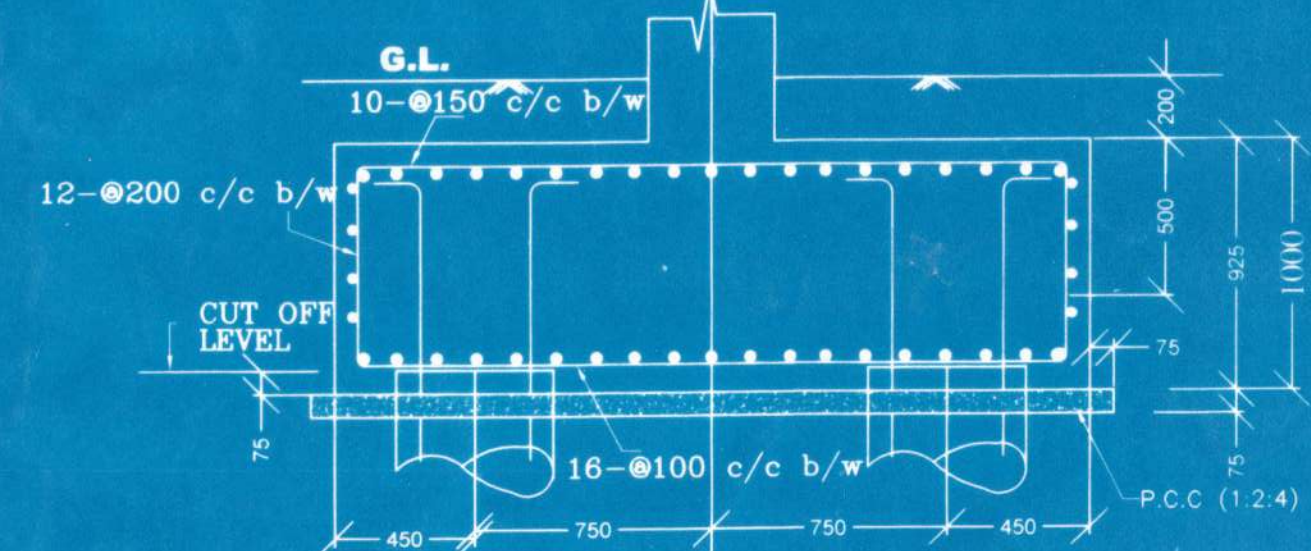
SCHEDULE OF TIE BEAMS						
BEAM MKD.	BEAM SIZE	REINF. AT SUPPORT			REINF. AT MID SPAN	
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM
TB1	250 x 400	2-16 3-20	2-16 3-20	8 @ 100 c/c	2-16 2-16 3-20	8 @ 150 c/c
TB2	250 x 400	2-16 3-20	2-16 3-20	8 @ 100 c/c	2-16 2-16 3-20	8 @ 150 c/c

SCHEDULE OF PILE CAP						
COLUMN MKD	NO. OF PILES	DEPTH OF PILES CAP	PILE SPACING	REINFORCEMENT		
				MAIN	VERTICAL	DISTRIBUTOR
C8, C13, C14, C15	6 NOS	1000	900 C/C	DO	12 mm @ 200 C/C	10 mm @ 150 C/C
C5, C6, C7, C9, C18, C19, C20, C21	4 NOS	1000	900 C/C	DO	12 mm @ 200 C/C	10 mm @ 150 C/C
C3, C4, C10, C11, C12, C16, C22	3 NOS	1000	900 C/C	DO	12 mm @ 200 C/C	10 mm @ 150 C/C
C1, C2, C17, C23, C24, C25, C26, C27, C28	2 NOS	1000	900 C/C	DO	12 mm @ 200 C/C	10 mm @ 150 C/C

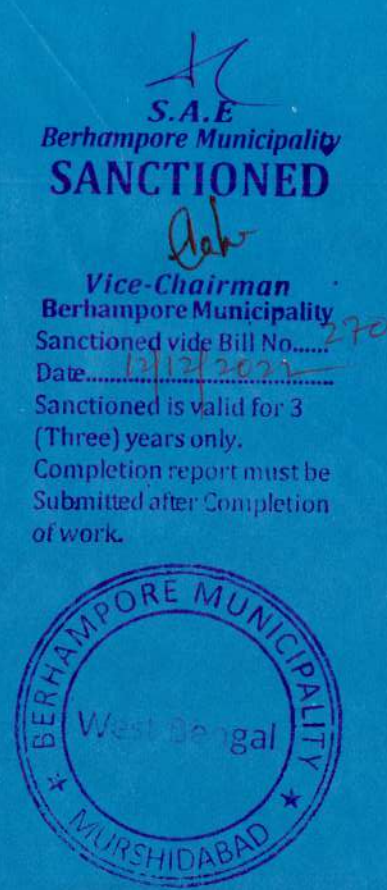
SCHEDULE OF BEAM						
BEAM MKD	BEAM SIZE	SUPPORT REINF.		MID SPAN REINF.		STIRRUP
		TOP	BOTTOM	TOP	BOTTOM	
RB-1	250 X 600	3-20 mm + 3-20 mm	3-20 mm	3-20 mm	3-20 mm + 3-20 mm	10 mm 4L @ 125 c/c
RB-2	250 X 500	6-16 mm	3-16 mm	3-16 mm	6-16 mm	8 mm 4L @ 125 c/c
RB-3	250 X 400	4-16 mm	2-16 mm	2-16 mm	4-16 mm	8 mm 4L @ 125 c/c

SCHEDULE OF R. C. C. COLUMN			
COL. MKD	SIZE BXD	LATERAL REINFORCEMENT	MAIN VERTICAL REINFORCEMENT
C8, C13, C14, C15	350 X 650	10 MM-4L@125 C/C	4-25 mm + 6-20 MM
C18, C19, C20, C21	250 X 600	10 MM-4L@150 C/C	8-20 mm + 6-16 MM
C5, C6, C7, C9, C16, C22	250 X 500	10MM-4L@150 C/C	4-20 mm + 6-16 mm
C1, C2, C3, C4, C10, C11, C12, C17, C23, C24, C25, C26, C27, C28	250 X 450	10MM-4L@150 C/C	4-20 mm + 4-16 mm

SCHEDULE OF BASEMENT SLABS					
SLAB MKD.	THICKNESS	REINF. ALONG SHORTER SPAN		REINF. ALONG LONGER SPAN	
		TOP	BOTTOM	TOP	BOTTOM
BS 1	150	10 @ 150 c/c	10 @ 150 c/c	10 @ 150 c/c	10 @ 150 c/c



OFFICE SPACE:-



- CONSTRUCTIONAL NOTES:-
1. THICKNESS OF OUT SIDE WALL=200
  2. THICKNESS OF INNER WALL=125
  3. GRADE OF CONCRETE - M 20 (1:1.5:3)
  4. GRADE OF STEEL - Fe 415
  5. COVER AS PER 'IS 456'
  6. TRADE OF STEP - 250
  7. RISE OF STEP - 150
  8. L = CLEAR SPAN
  9. TORSIONAL REINFORCEMENT HAVE TO PROVIDE AS PER 'IS 456' 2000
  10. DEVELOPMENT LENGTH OR LAP LENGTH = 50 X DIA

Declaration of Structural Engineer :-  
THE DRAWING AND DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN CHECKED BY ME. CONSIDERING THE SOIL REPORT OF 'M/S. D. S. CONSTRUCTION', JADAVPUR, KOLKATA-78, AND ALL THE POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE N.B.C. OF INDIA. I CERTIFY THAT THE STRUCTURE IS SAFE AND STABLE IN ALL RESPECT.

SUMIT DEY  
Structural Engineer  
Regd. No. GA/RP/2021/BM  
Berhampur Municipality  
Berhampur, Murshidabad

NOTE:-  
STRUCTURAL DESIGN MADE FOR B+G+6 STORIED BUILDING

PROPOSED B+G+3 STORIED BUILDING PLAN ON DAG NO-R.S. & L R- 145, KHATIAN NO-L R-2844, 2845, 2887 (R O R) IN MOUZA- BISHNUPUR, J. L. NO-93 AT HOLDING NO-1852, BISHNUPUR ROAD UNDER BERHAMPUR MUNICIPALITY, P.S.-BERHAMPUR, DIST.- MURSHIDABAD.

OWNER'S NAME- SONAM JAIN W/O-ANUJ JAIN.

OWNER'S SIGNATURE:-

Sonam Jain

ALL DIMENSION ARE IN MM. OTHER WISE STATED.

SHEET NO-2 SCALE 1:200, 1:100, 50, 25

ENGINEER'S SIGN:- DRAWN BY:-

SHERFUL HAQUE  
MOB - 9434101820

SUMIT DEY  
Structural Engineer  
Regd. No. GA/RP/2021/BM  
Berhampur Municipality  
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