

**STRUCTURAL DRAWING OF PROPOSED G+III STORIED RESIDENTIAL BUILDING AT MOUZA - DHALUA, J.L. NO. - 43, R.S. DAG NO. - 216, R.S. KHATIAN NO. - 120, L.R. DAG - 227, L.R. KHATIAN NO. - 4037, 4205 & 4204, HOLDING NO. - 258, (PASCHIM DHALUA), P.S. - NARENDRAPUR, DISTRICT - 24 Pgs. (S), WARD NO. - 02, UNDER THE RAJPUR - SONARPUR MUNICIPALITY. OWNER'S NAME :- SRI. KAMAL MAJUMDER, SRI SHYAMAL MAJUMDER & RITA MONDAL.**

**STRUCTURAL CERTIFICATE**

CERTIFIED THAT THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOAD & CERTIFIED THAT THE STRUCTURE IS SAFE & STABLE IN ALL RESPECT.

*Chinmoy Mukherjee*  
**Chinmoy Mukherjee**  
 Structural Engineer  
 E.S.No.-111/RJPSON/E.S.E.of  
 Rajpur-Sonarpur Municipality

**SIGNATURE OF E.S.E.**

*Chinmoy Mukherjee*  
 Chinmoy Mukherjee  
 Civil Engineer, B.Tech, M.Tech  
 E.B.S.No.418/RJPSON.E.S.(C)SS  
 of RAJPUR-SONARPUR MUNICI.

**SIGNATURE OF E.B.S.**

*Kallol Kr. Ghoshal*  
 Kallol Kr. Ghoshal B.E. (CIVIL), MIE  
 Geo Technical Engineer  
 Empanelment No.:  
 028/RJPSON/G.T./2019-2020

**SIGNATURE OF G.T.E.**

*[Signature]*  
 CONSTITUTED ATTORNEY OF  
 1. SRI KAMAL MAJUMDER  
 2. SRI SHYAMAL MAJUMDER  
 3. SMT. RITA MONDAL

**SIGNATURE OF OWNER**

SCALE-1:100,1:25

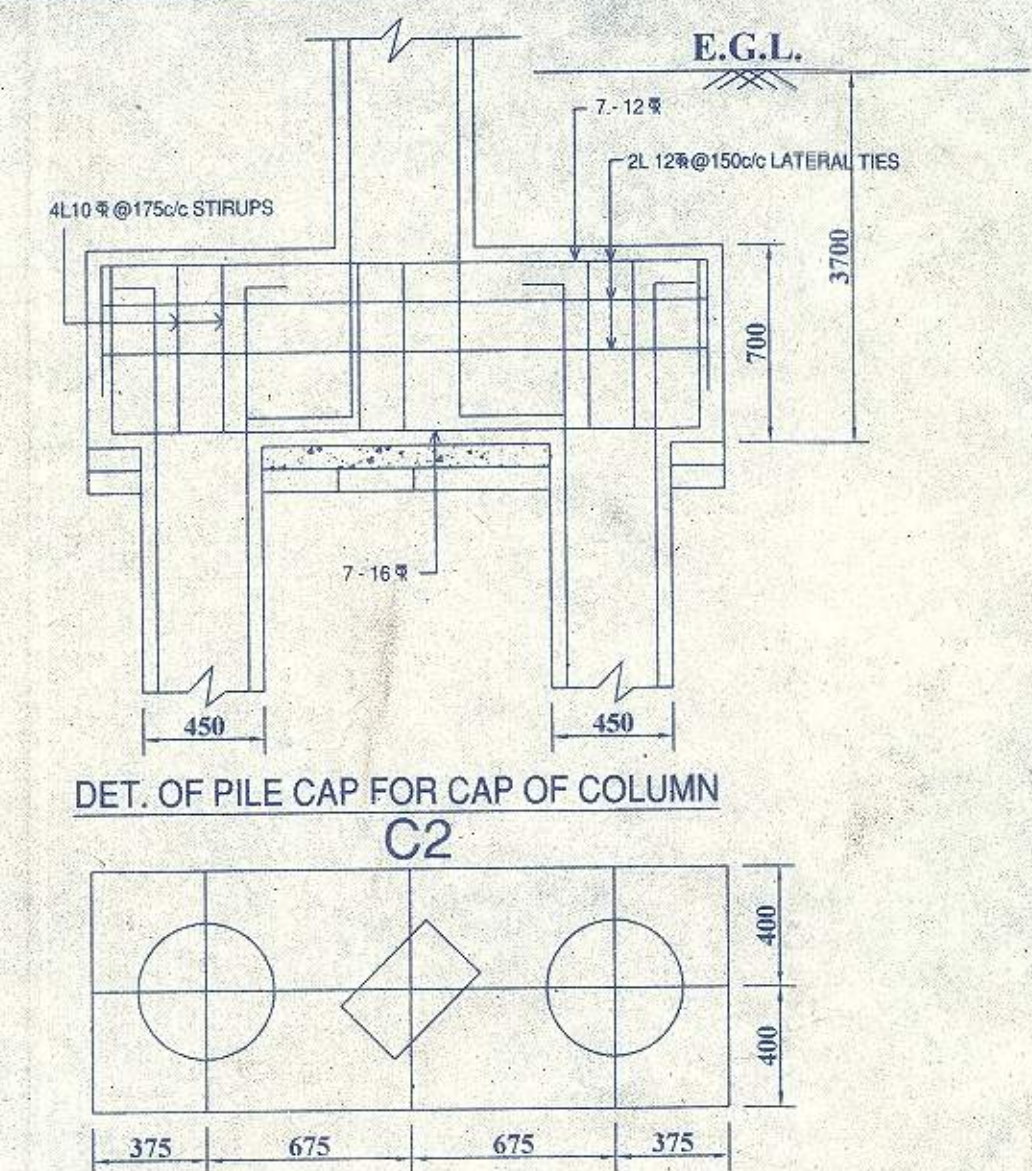
**STRUCTURAL SHEET**

**OFFICE USE ONLY:-**



Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 418/2018A Dated On: 07/06/2022 for record of the Rajpur-Sonarpur Municipality without Verification No. deviation from the submitting structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private properties and safety of human life during Construction

*[Signature]*  
 Sig. of Assistant Engineer,  
 Incharge P.W.D  
 RAJPUR-SONARPUR MUNICIPALITY



**REINFORCEMENT FOR PILE & PILE LENGTH**

LENGTH OF PILE = 20.0 M FROM E.G.L.

LONGITUDINAL REINFORCEMENT FOR PILE = 8 NOS-12

LATERAL TIE FOR PILE REINFORCEMENT = 8x2L@75c/c

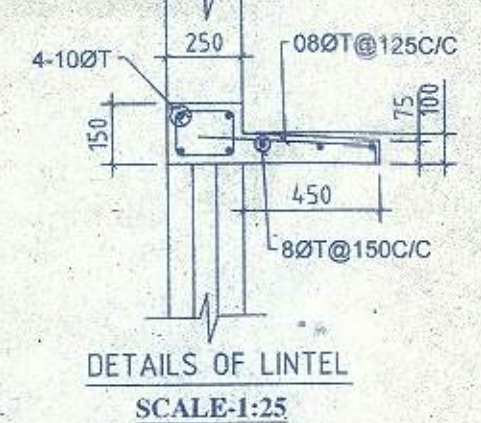
FOR A LENGTH OF 1350 MM AT (-)3700 MM CUTT OFF LEVEL TO (-) 5050 MM LEVEL AND AT PILE TIP i.e.

AT (-)3700 LEVEL TO (-)20000 LEVEL SPACER BAR FOR PILE REINFORCEMENT = 10x2L@1500c/c THROUGH THE PILE LENGTH.

LATERAL TIE FOR PILE REINFORCEMENT = 8x2L@150c/c AT (-)5050 LEVEL TO (-)18650

**BEAM SCHEDULE**

BEAM MKD.	SECTION	REINF. (SUPPORT)		REINF. (SPAN)		STIRRUP
		TOP	BOTTOM	TOP	BOTTOM	
B1	250X400	3-16	3-16	3-16	3-16	2L-8T@125 c/c
B2	250X350	2-16	2-16	2-16	2-16	2L-8T@150 c/c
ALL TIE BEAM	250X350	3-16	3-16	3-16	3-16	2L-8T@150 c/c



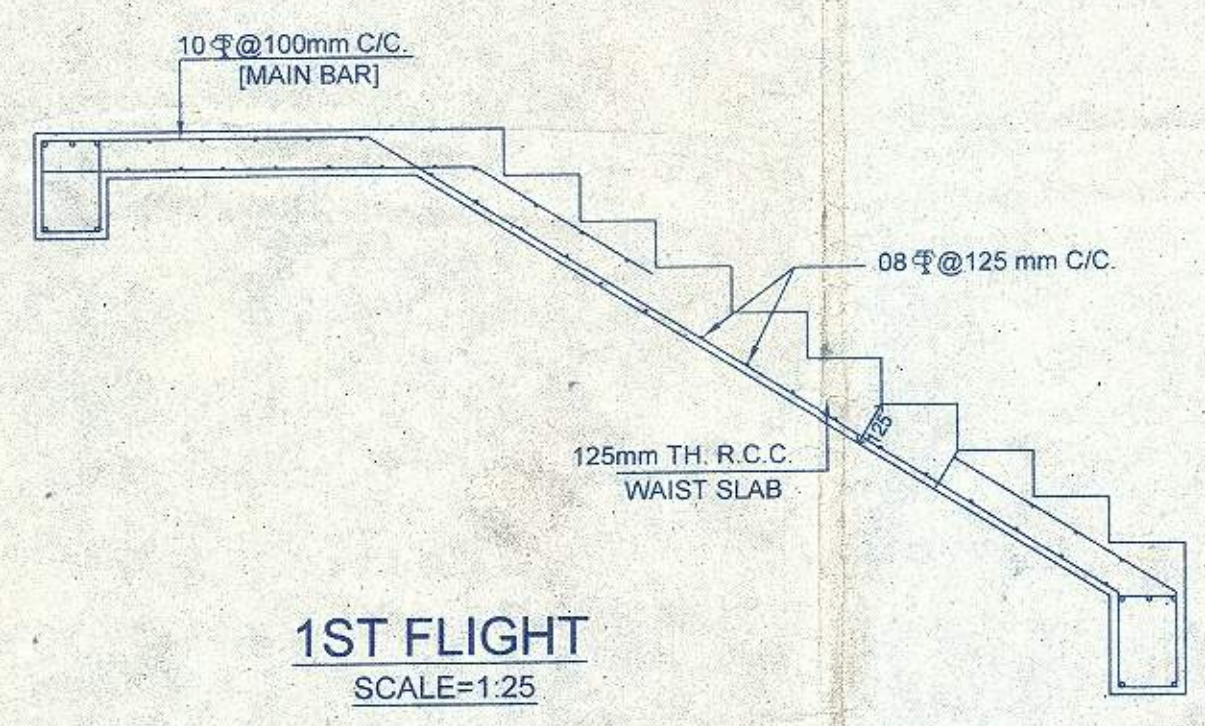
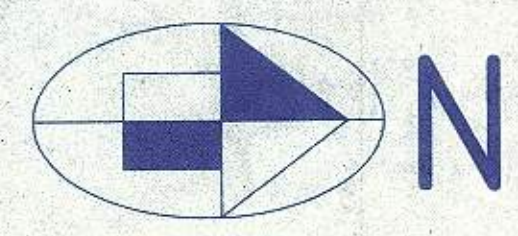
**SLAB SCHEDULE**

SLAB MKD.	THICK-NESS	REINFORCEMENT	
		MAIN REINF.	DISTRIBUTION
S1	110 MM	8 T @ 125 c/c	8 T 125 c/c
S2	125 MM	10 T @ 100 c/c	10 T 100 c/c

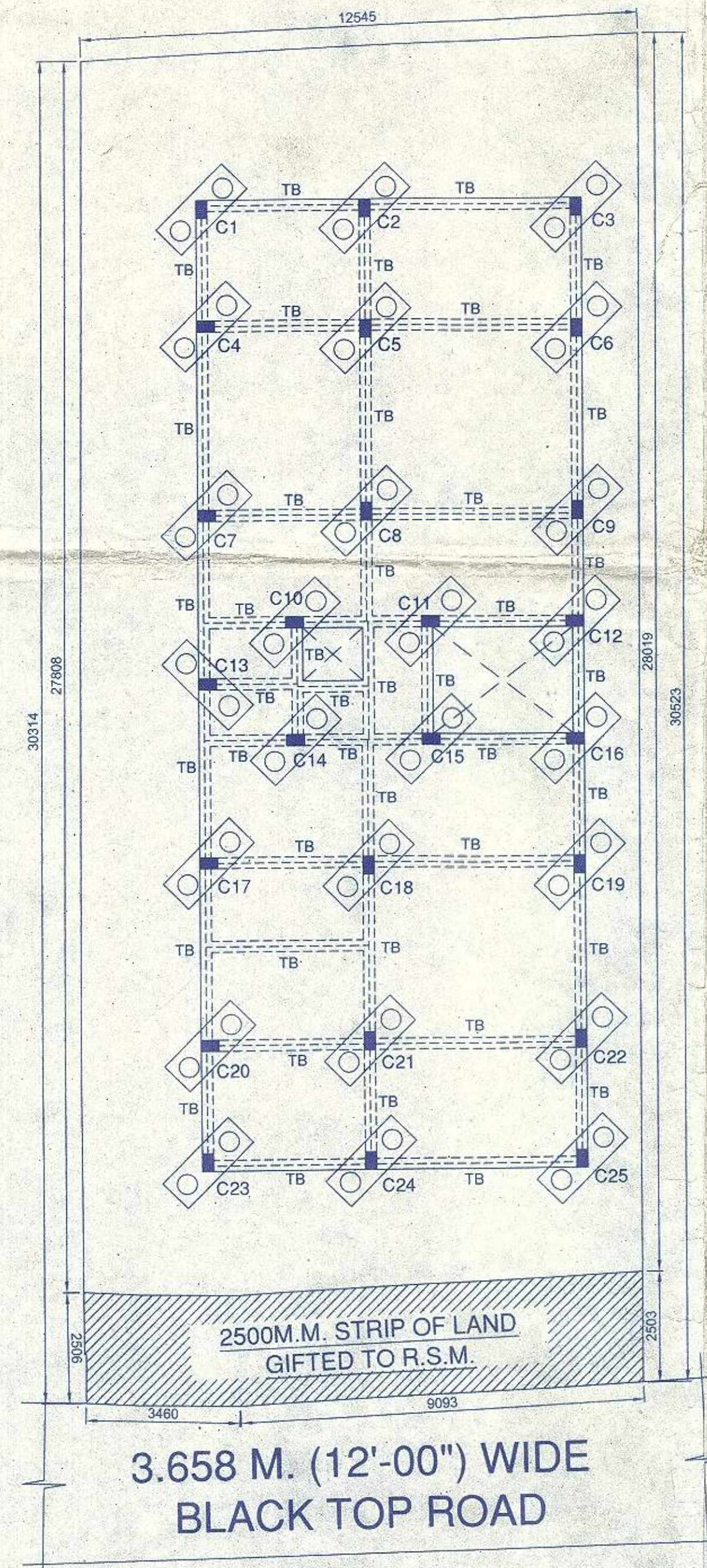
PROVIDE 8T 125 c/c AT EDGES AS EXTRA TOP

**COLUMN SCHEDULE**

COLUMN MKD.	SECTION	REINFORCE-MENT	TIE
C5,C8	250X450	10-16T	2L-8T@150 c/c
ALL OTHER COLUMN	250X400	8-16T	2L-8T@150 c/c

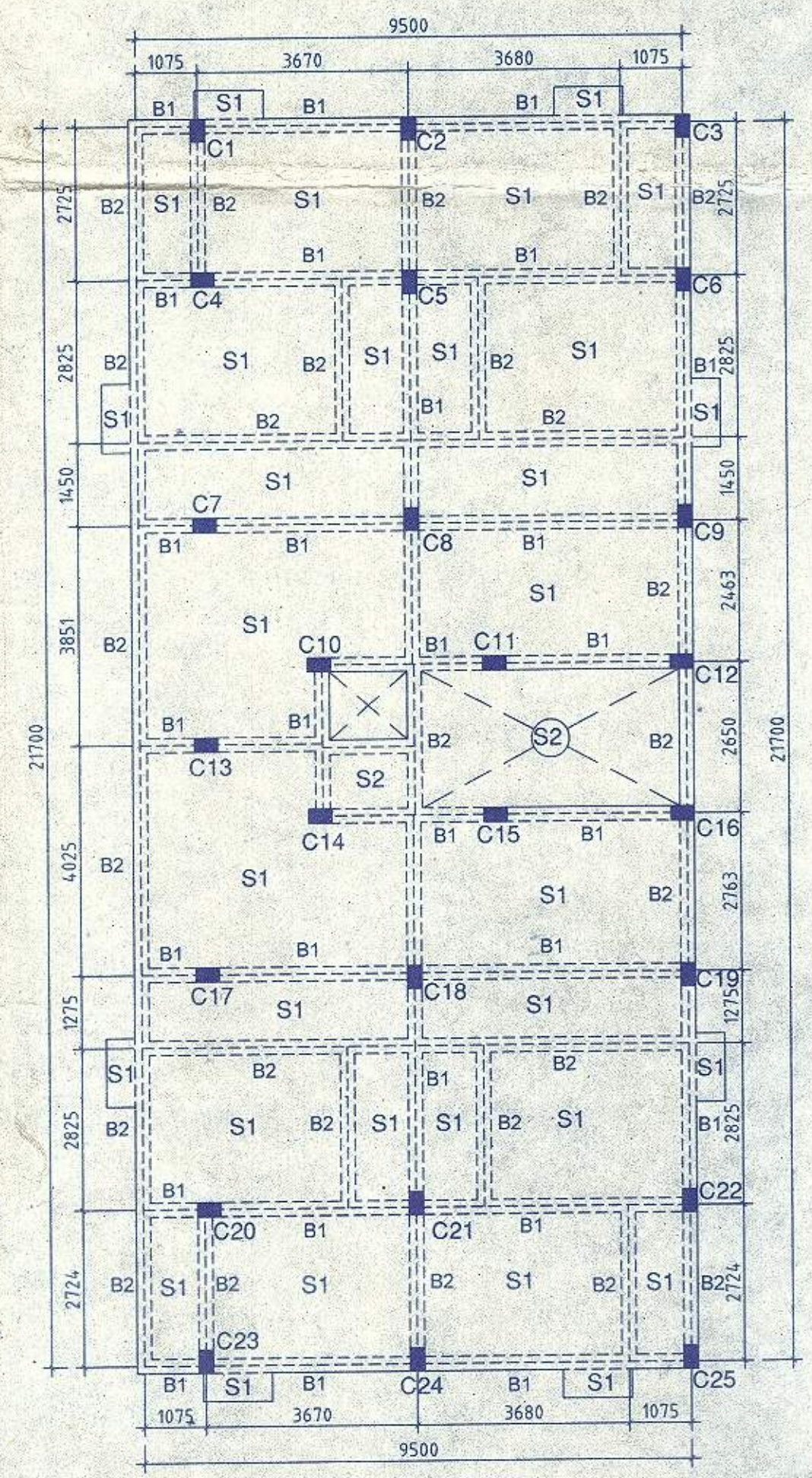


DETAIL OF PILE CAP FOR COLUMN  
 SCALE=1:25

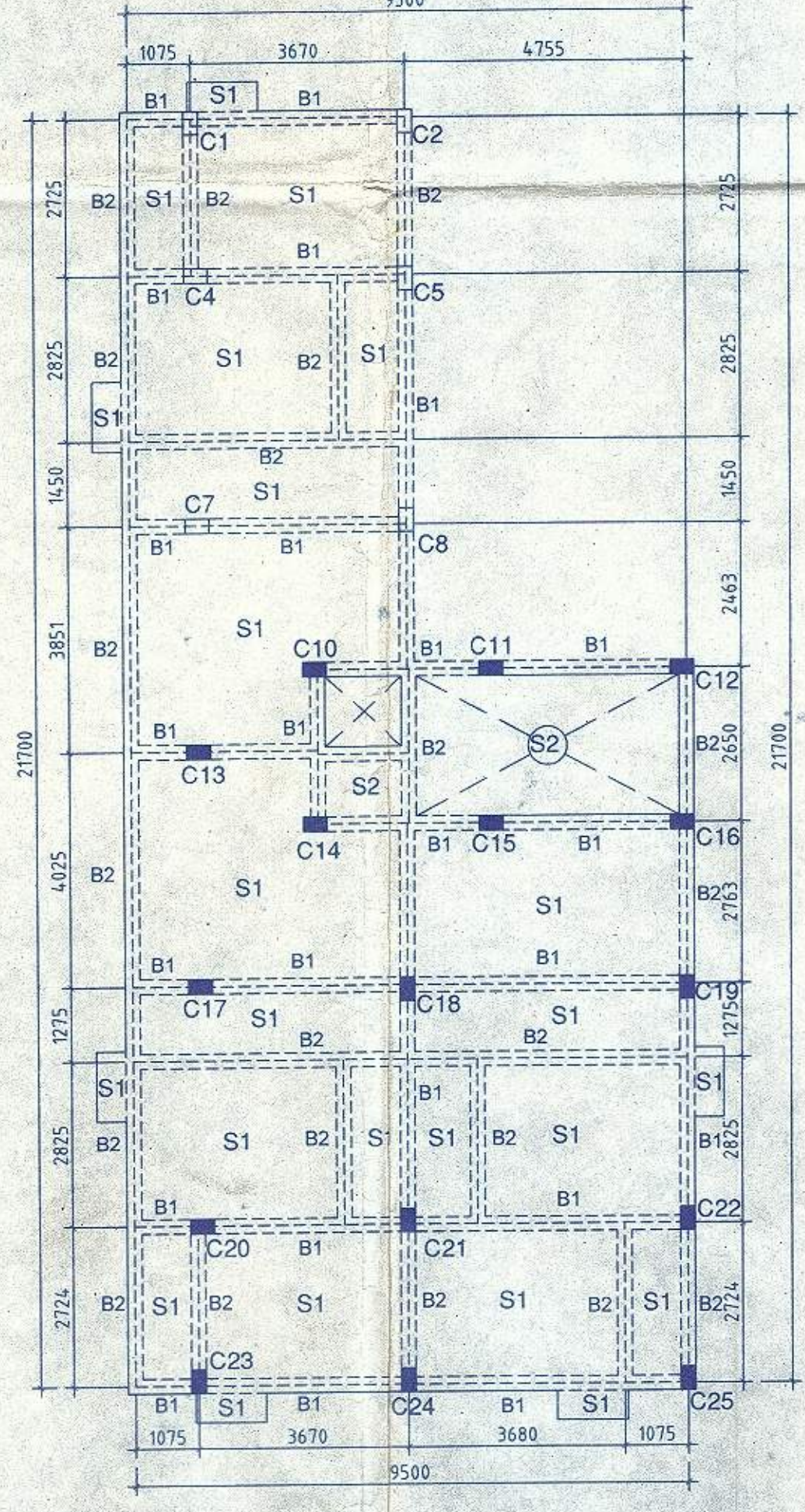


**PILE LAY-OUT PLAN**  
 SCALE-1:100

**3.658 M. (12'-00") WIDE BLACK TOP ROAD**



**TYPICAL (1st & 2nd) FLOOR**  
 COLUMN, BEAM & SLAB LAY-OUT PLAN  
 SCALE-1:100



**THIRD FLOOR**  
 COLUMN, BEAM & SLAB LAY-OUT PLAN  
 SCALE-1:100



