

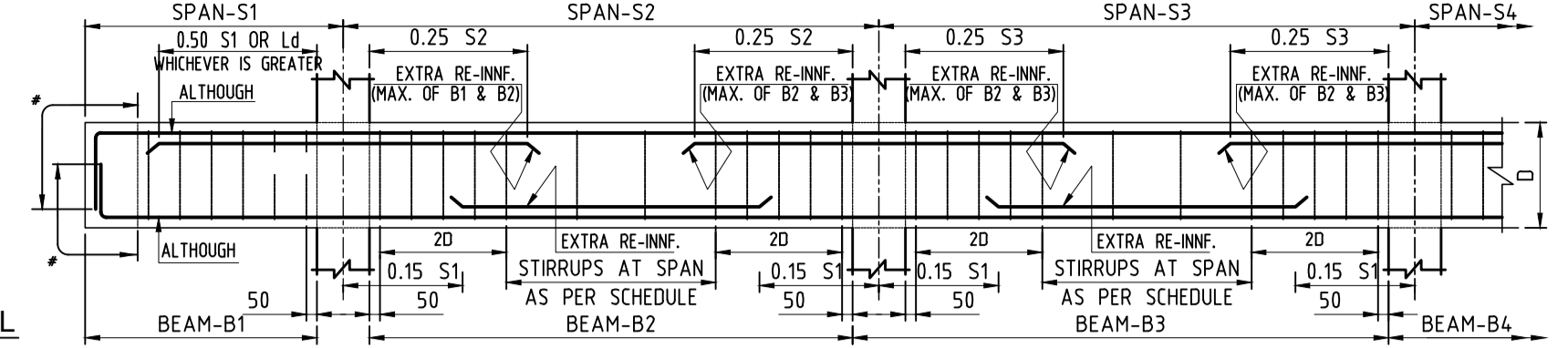
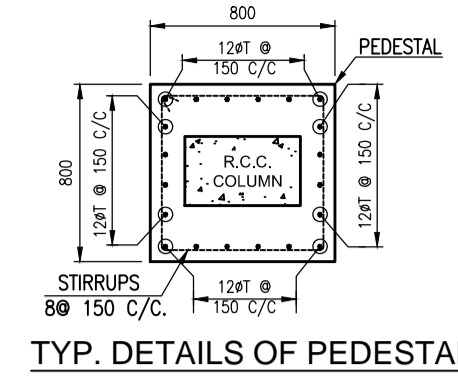
SCHEDULE OF FOUNDATION					
FOUNDATION TYPE	FOUNDATION SIZE ΔX x ΔZ	BASE DEPTH D	REINFORCEMENT		
			ΔX-Direction	ΔZ-Direction	
F1	2200 X 2200	350	12ØT @ 150 C/C. AT BOTTOM	12ØT @ 150 C/C. AT BOTTOM	
F2	2400 X 2400	400	12ØT @ 150 C/C. AT BOTTOM	12ØT @ 150 C/C. AT BOTTOM	
F3	2600 X 2600	450	12ØT @ 150 C/C. AT BOTTOM	12ØT @ 150 C/C. AT BOTTOM	
STF1	5350 X 2700	500	12ØT @ 150 C/C. AT BOTTOM 12ØT @ 150 C/C. AT TOP	12ØT @ 150 C/C. AT BOTTOM 12ØT @ 150 C/C. AT TOP	
STF2	3900 X 2000	400	12ØT @ 150 C/C. AT BOTTOM 8ØT @ 150 C/C. AT TOP	12ØT @ 150 C/C. AT BOTTOM 8ØT @ 150 C/C. AT TOP	
RAFT-1	4825 X 4925	350	12ØT @ 150 C/C. AT BOTTOM 8ØT @ 150 C/C. AT TOP	12ØT @ 150 C/C. AT BOTTOM 8ØT @ 150 C/C. AT TOP	

SCHEDULE OF COLUMN				
COLUMN MARKED	COLUMN SIZE	Main Re-inforcement		
		At Plinth & G.F., 1st Floor	2nd. & 3rd. Floor	Above Roof
C1,C2,C3,C4,C5,C6,C7,C8, C9,C10,C11,C12,C13,C18, C19,C20,C21,C22,C23,C24, C27,C28	250X400	4-16ØT+4-16ØT	4-16ØT+4-12ØT	4-16ØT+4-12ØT
C14 & C17	250X400	4-16ØT+6-16ØT	4-16ØT+6-12ØT	4-16ØT-6-12ØT
C15,C16,C25,C26	250X500	4-16ØT+6-16ØT	4-16ØT+6-12ØT	4-16ØT-6-12ØT

SCHEDULE OF TYPICAL FLOOR BEAMS					
BEAM MKD.	BEAM SIZE (W) X (D)	ALTHOUGH REINFORCEMENT		EXTRA REINFORCEMENT	
		TOP	BOTTOM	EXTRA TOP	EXTRA BOTTOM
FB1	250 X 400	2-16ØT+1-12ØT	2-16ØT+1-12ØT	2-12ØT	
FB2	250 X 400	3-12ØT	3-12ØT		
FB3	250 X 400	2-16ØT+1-16ØT	2-16ØT+1-16ØT	3-16ØT	2-16ØT
FB4	250 X 400	2-16ØT+1-12ØT	2-16ØT+1-12ØT	2-16ØT	
FB5	250 X 400	2-16ØT+1-16ØT	2-16ØT+1-16ØT	3-16ØT	

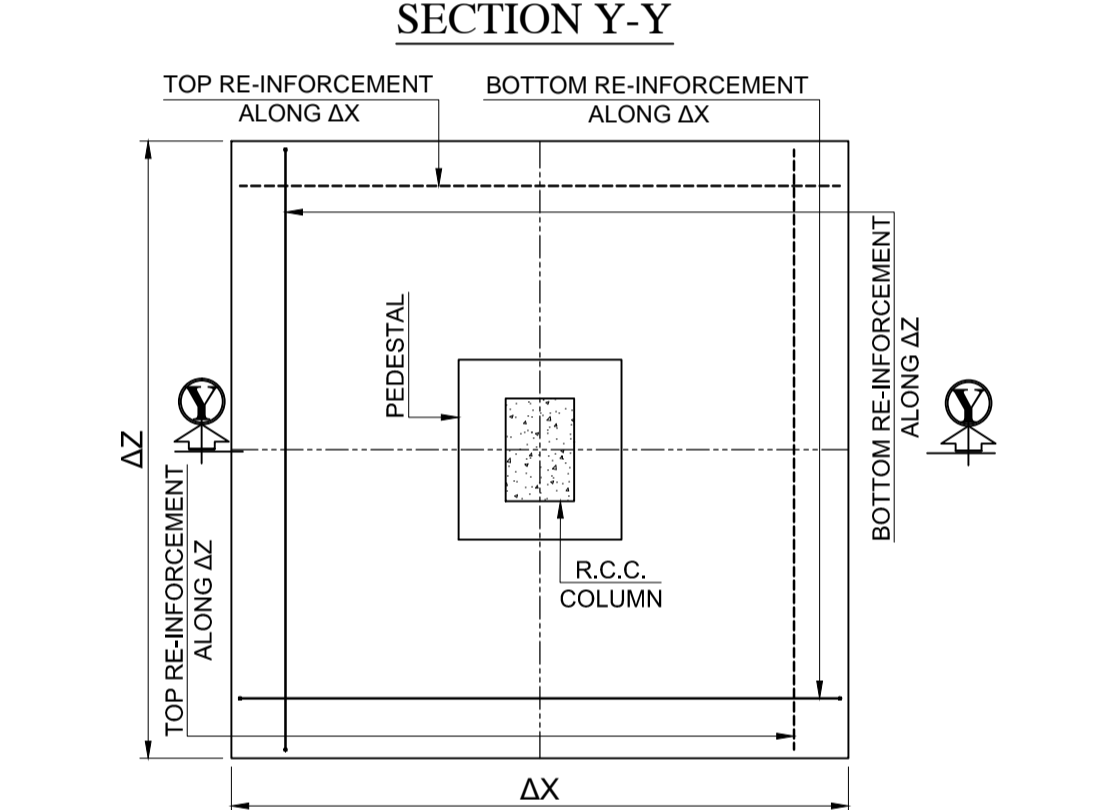
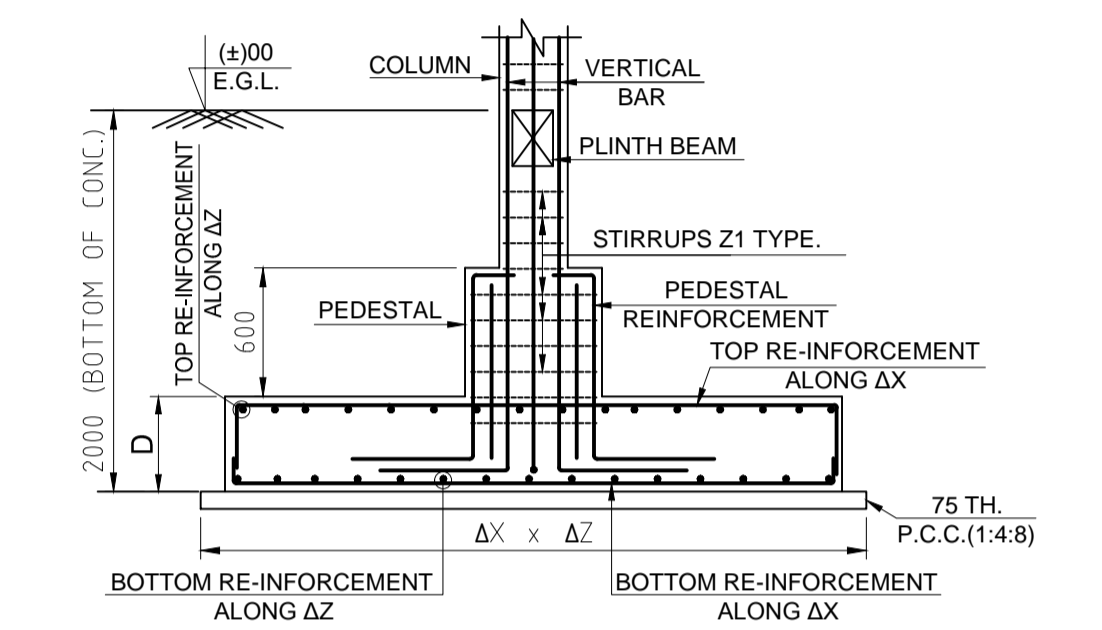
SCHEDULE OF SLAB REINFORCEMENT						
SLAB PANEL TYP.	SLAB THICKNESS	BOTTOM REINF.		EXTRA REINF.		DISTRIBUTION BARS
		SHORTER DIR. (a)	LONGER DIR. (b)	SHORTER DIR. (e)	LONGER DIR. (f)	
S1	110	8ØT @ 175 C/C.	8ØT @ 175 C/C.	8ØT @ 175 C/C.	8ØT @ 175 C/C.	8ØT @ 175 C/C.

SCHEDULE OF PLINTH BEAMS					
BEAM MKD.	BEAM SIZE (W) X (D)	ALTHOUGH REINFORCEMENT		EXTRA REINFORCEMENT	
		TOP	BOTTOM	EXTRA TOP	EXTRA BOTTOM
PB1	250 X 400	2-16ØT+1-12ØT	2-16ØT+1-12ØT		
PB2	250 X 400	2-16ØT+1-16ØT	2-16ØT+1-16ØT		
PB3	250 X 400	3-12ØT	3-12ØT		

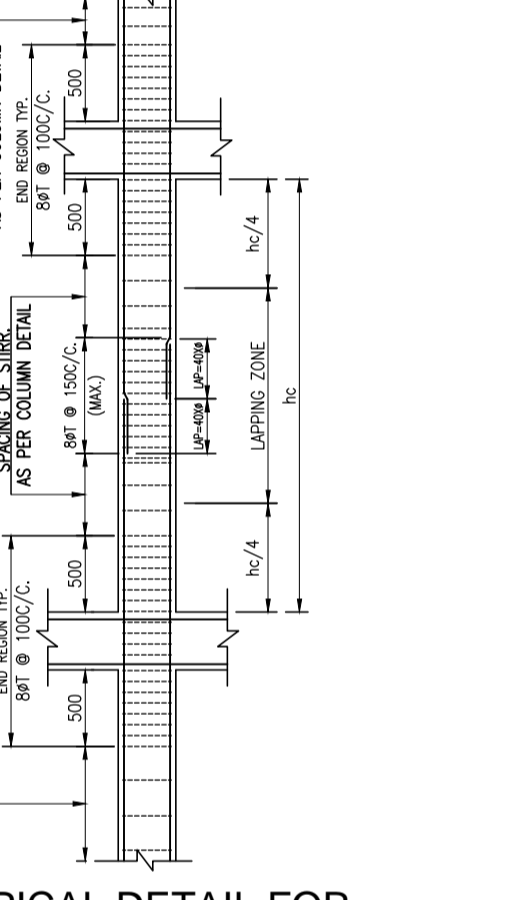


TYPICAL LONG SECTION DETAIL OF FLOOR & PLINTH BEAM & STIRRUPS DETAILS

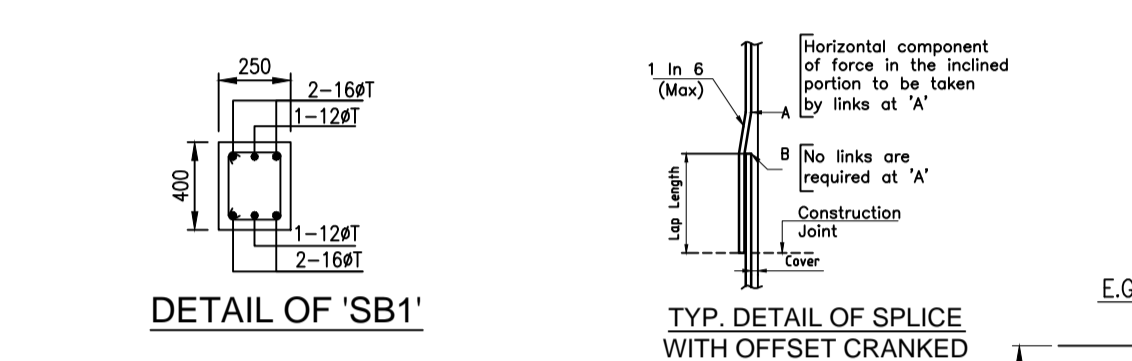
SCHEDULE OF STIRRUPS FOR PLINTH FLOOR & ROOF BEAMS			
DEPTH OF BEAM	2D LENGTH ON SUPPORT	STIRRUPS AT SUPPORT	STIRRUPS AT SPAN
400	800	8ØT @ 100 C/C.	8ØT @ 125 C/C.
500	1000	8ØT @ 100 C/C.	8ØT @ 130 C/C.



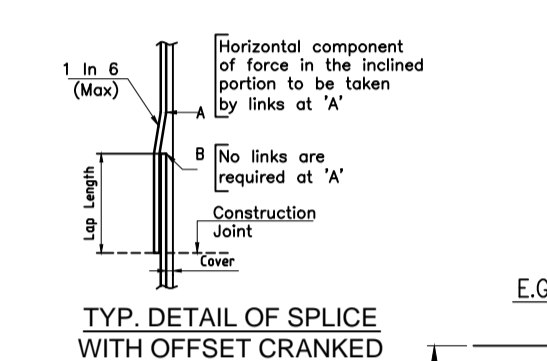
TYPICAL DETAILS OF ISOLATED FOUNDATION



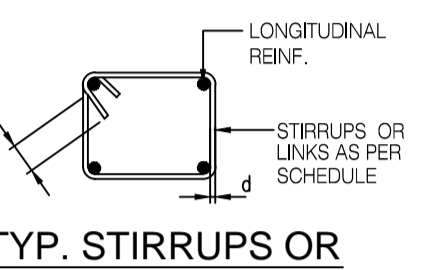
TYPICAL DETAIL FOR COLUMN SPLICING AND CONFINING RE-INF. OF COLUMN



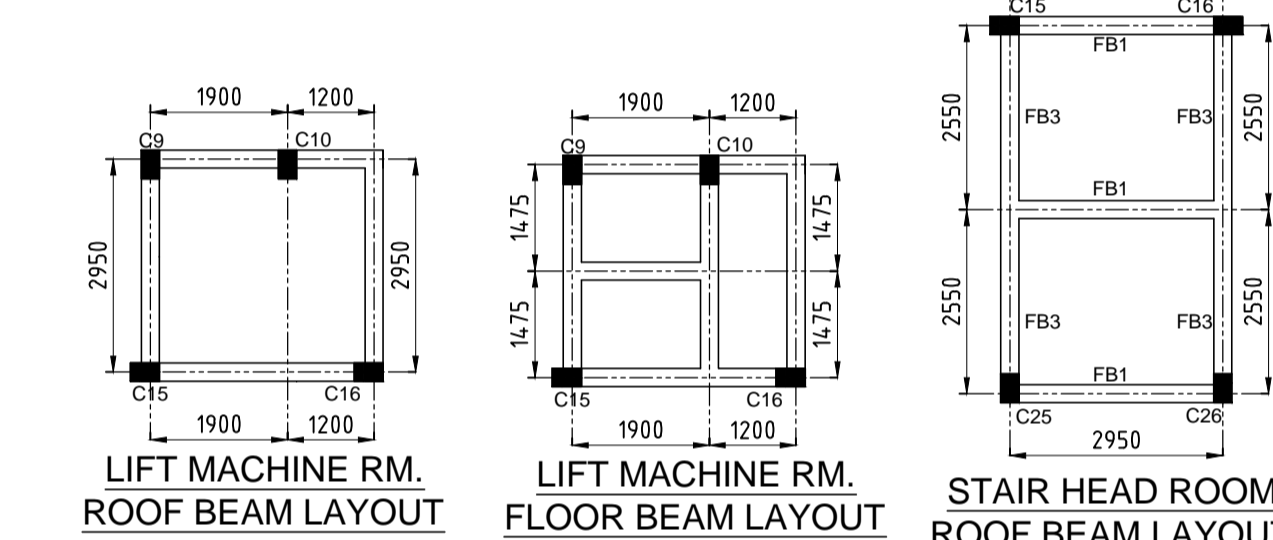
DETAIL OF 'SB1'



TYP. DETAIL OF SPLICE WITH OFFSET CRANKED BAR IN A COLUMN



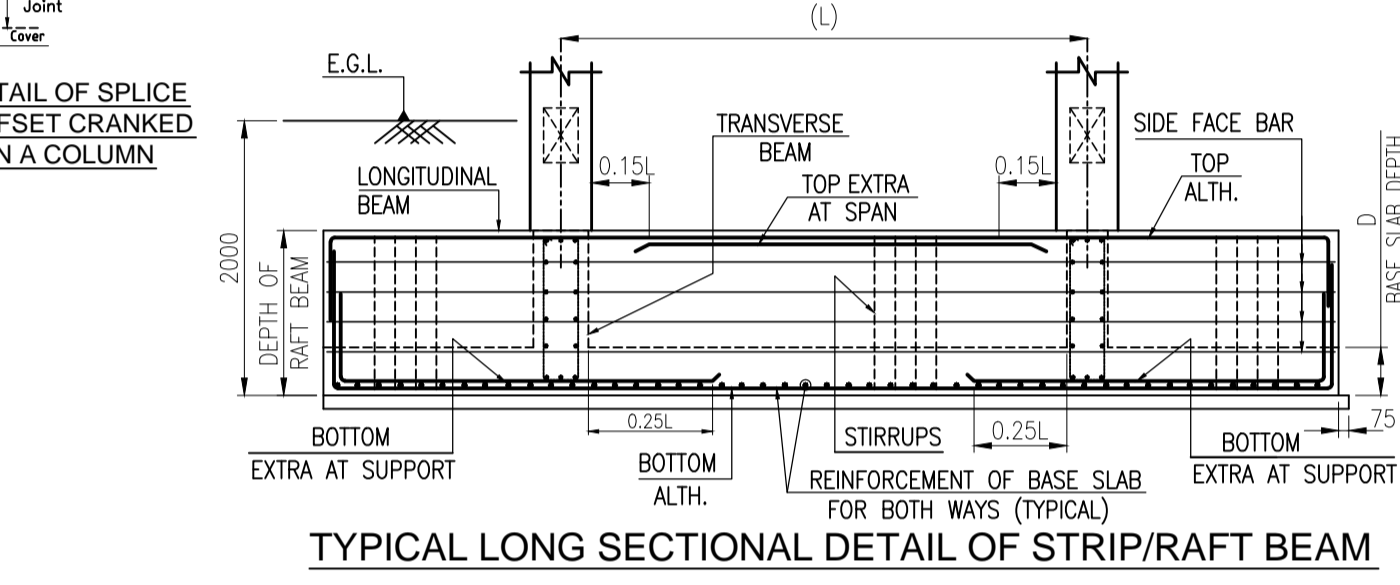
TYP. STIRRUPS OR LINKS DETAIL



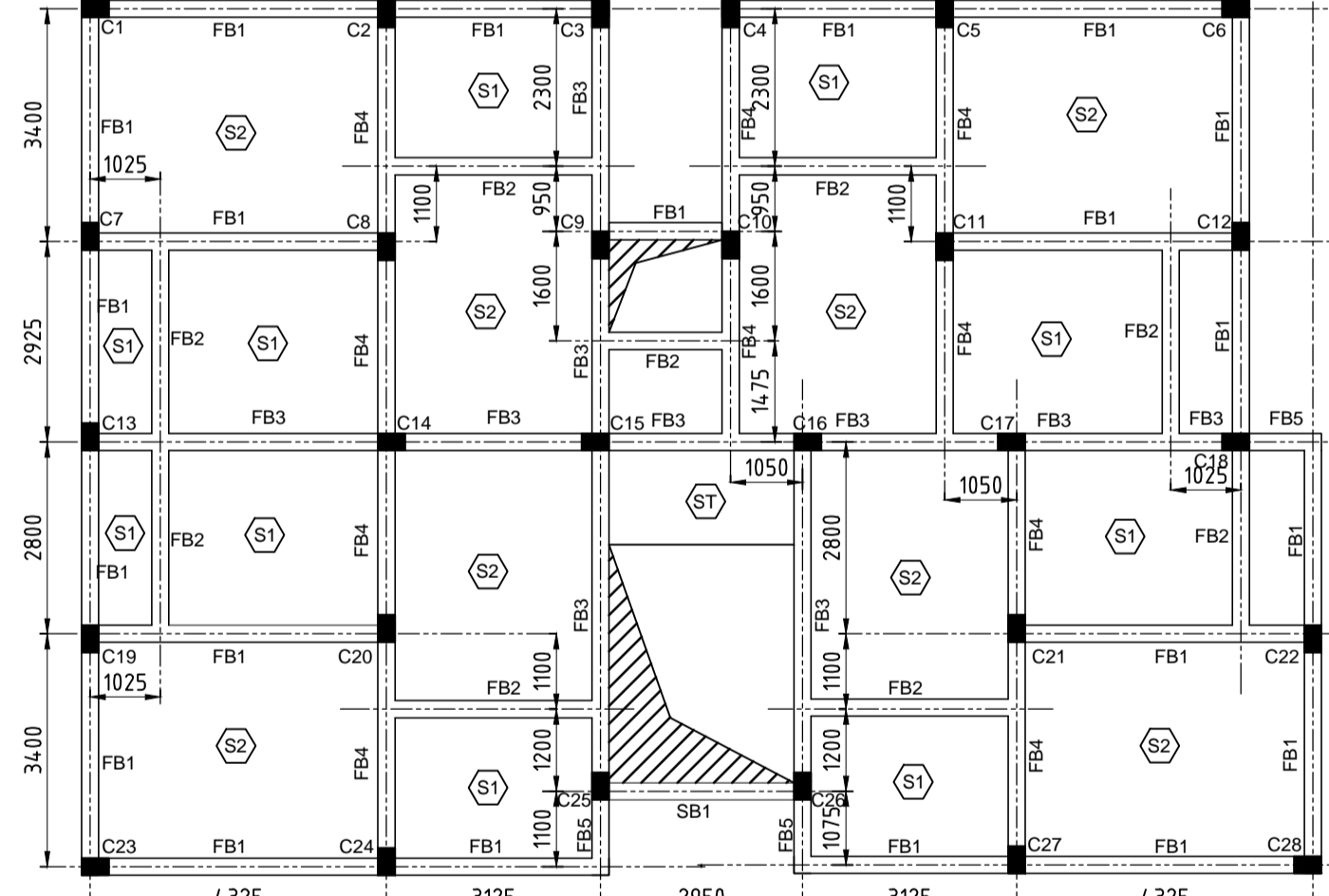
LIFT MACHINE RM. ROOF BEAM LAYOUT, LIFT MACHINE RM. FLOOR BEAM LAYOUT, STAIR HEAD ROOM ROOF BEAM LAYOUT

SCHEDULE OF RAFT-BEAM						
BEAM MKD.	BEAM SIZE (W) X (D)	ALTHOUGH REINFORCEMENT		EXTRA REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	EXTRA TOP AT SPAN	EXTRA BOTTOM AT SUPPORT	
RFTB1	500 X 600	5-16ØT	5-16ØT		5-20ØT	4L-10ØT @ 150C/C 12ØT @ 150C/C SIDE FACE BAR

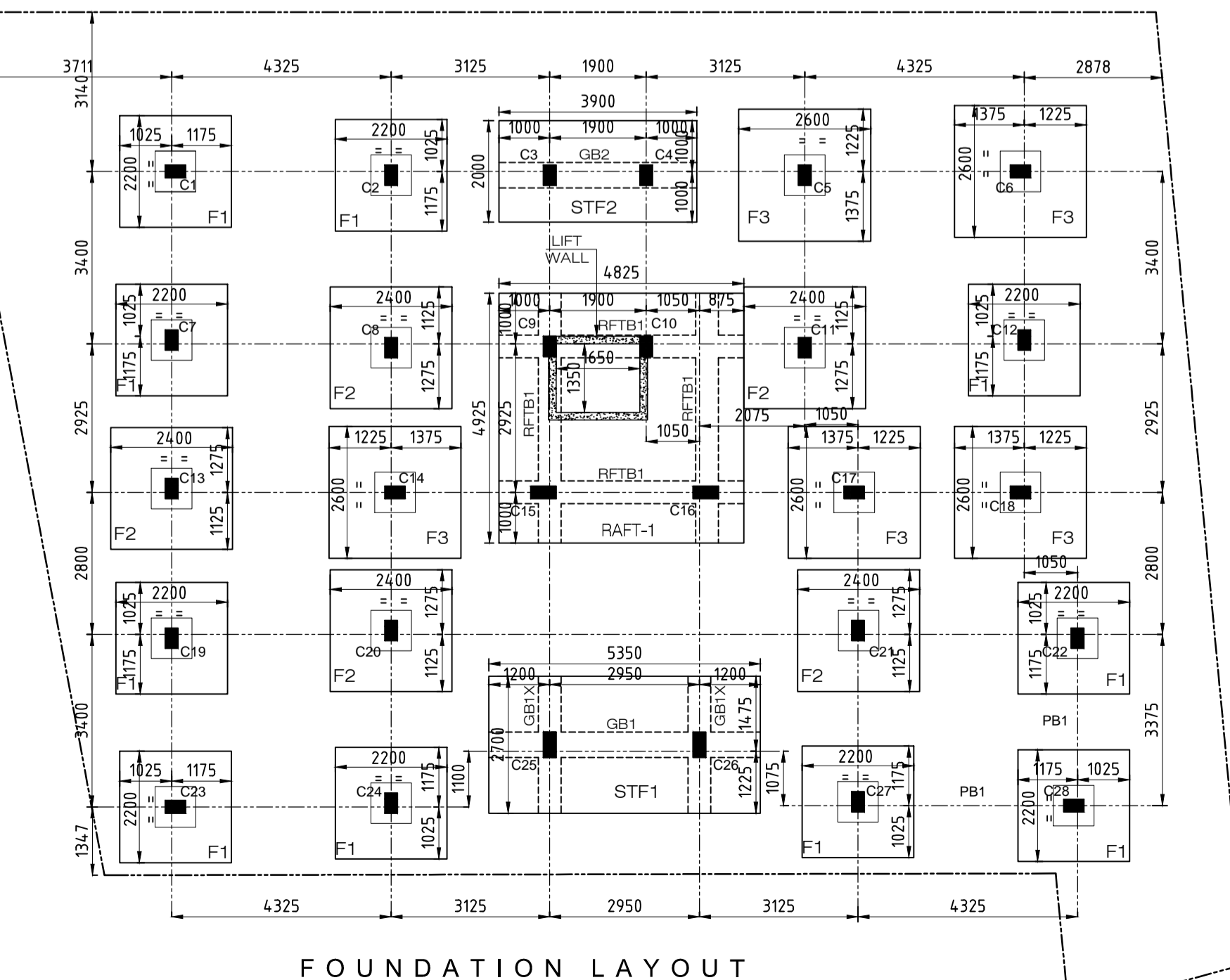
SCHEDULE OF STRIP-BEAM						
BEAM MKD.	BEAM SIZE (W) X (D)	ALTHOUGH REINFORCEMENT		EXTRA REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	EXTRA TOP AT SPAN	EXTRA BOTTOM AT SUPPORT	
GB1	500 X 800	5-16ØT	5-20ØT		5-20ØT	4L-10ØT @ 150C/C 12ØT @ 150C/C SIDE FACE BAR
GB2	500 X 600	5-16ØT	5-26ØT		5-16ØT	4L-10ØT @ 150C/C 12ØT @ 150C/C SIDE FACE BAR
GB1X	450 X 800	5-16ØT	5-16ØT			4L-10ØT @ 150C/C 12ØT @ 150C/C SIDE FACE BAR



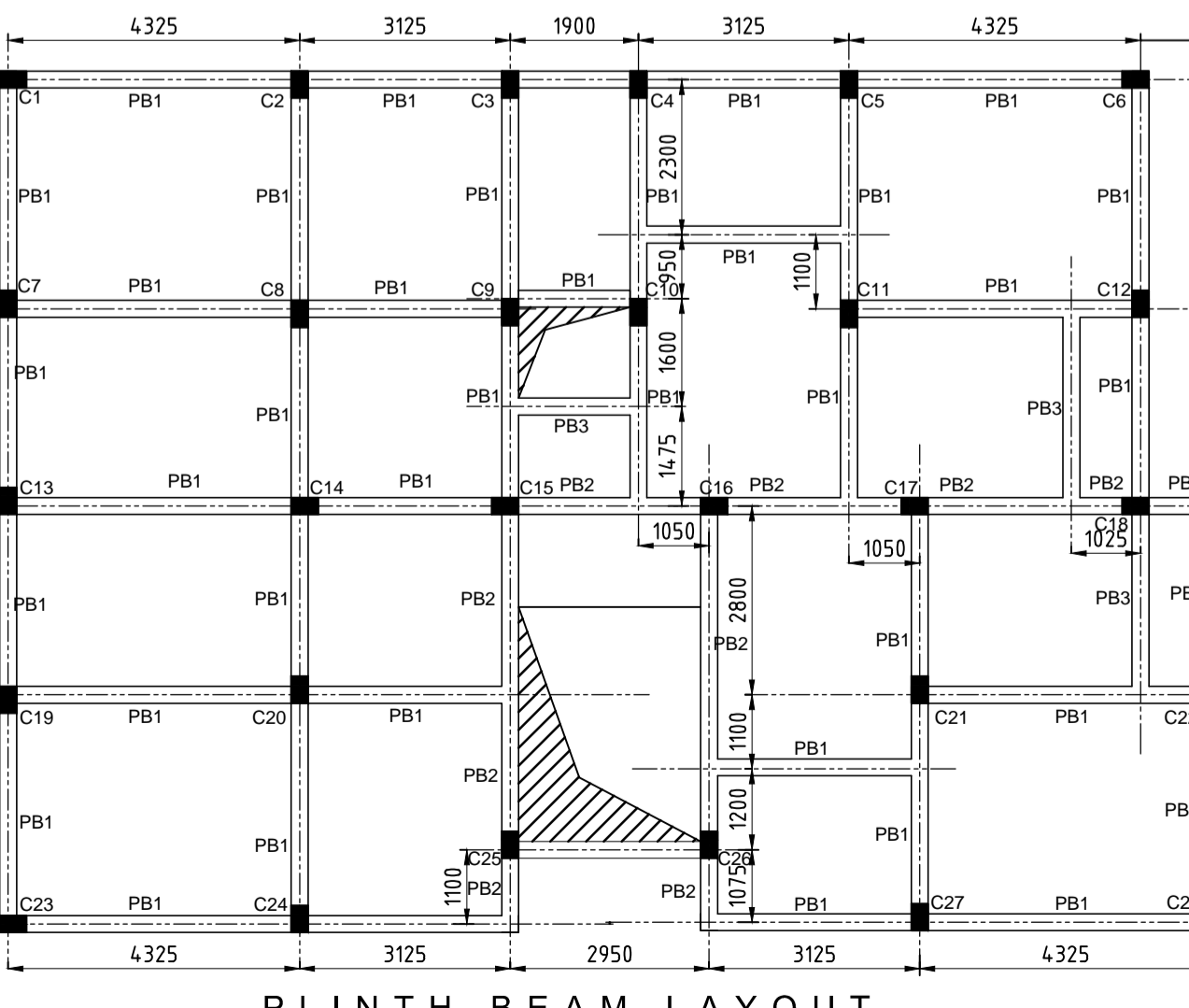
TYPICAL LONG SECTIONAL DETAIL OF STRIP/RAFT BEAM



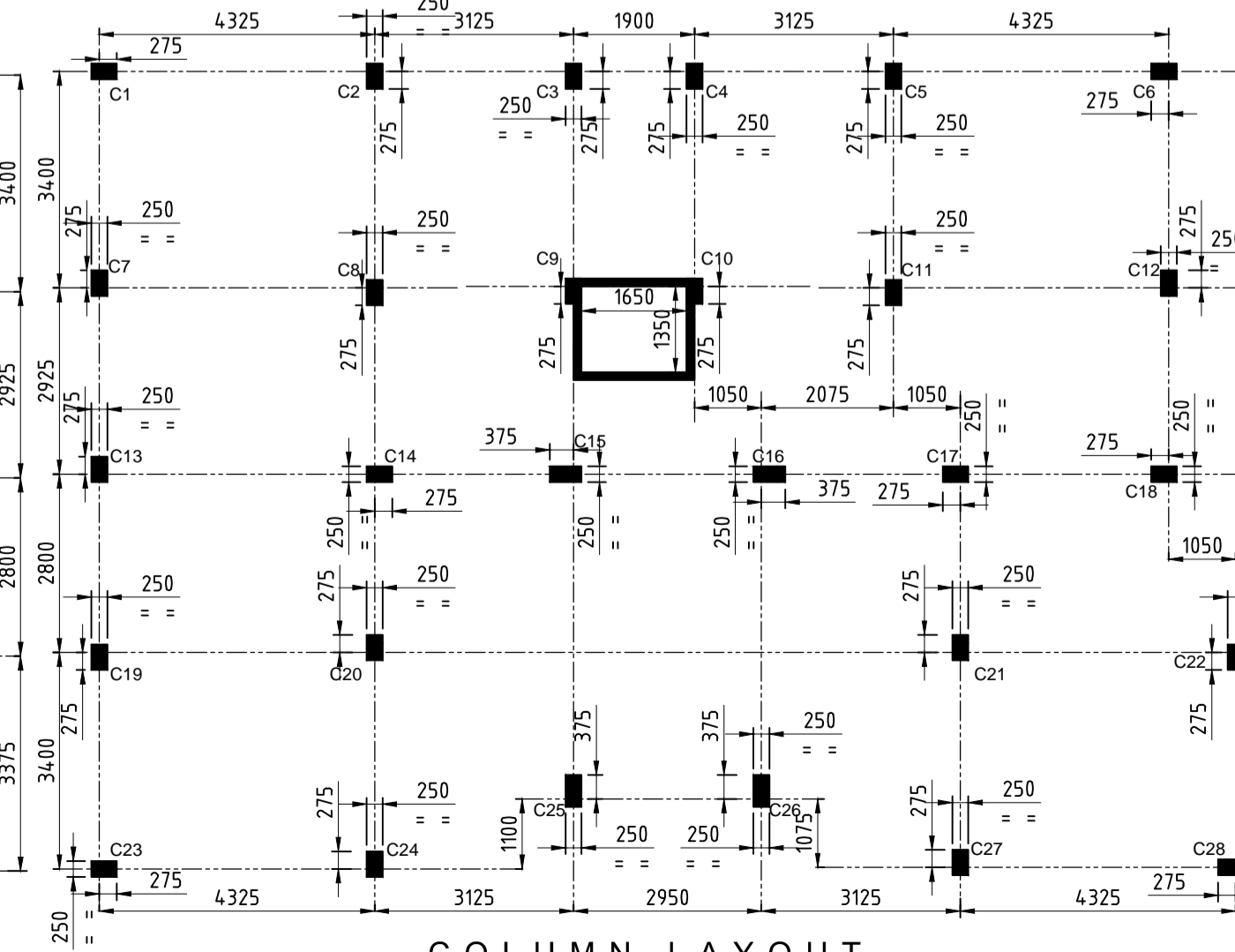
TYP. FLOOR BEAM LAYOUT



FOUNDATION LAYOUT



PLINTH BEAM LAYOUT



COLUMN LAYOUT

PROJECT:
BUILDING PLAN FOR PROPOSED G+3 STORIED RESIDENTIAL BUILDING OF M/S SARDAR REALITIES PRIVATE LIMITED, DIRECTORS ALI ASAGR SARDAR & SAMIMA BEGUM SARDAR, UNDER R.S. DAG NO.-243, R.S. KHATIAN NO.-125, L.R. DAG NO.- 406, L.R. KHATIAN NO.- 2239 & SHEET NO.- 16, J.L. NO.-1, MOUZA & P.S. -CHANDERNAGORE, WARD NO.- 14, HOLDING NO.-560/A, BOROUGH NO.- 2, AT KHALISANI BOSE PARA, UNDER CHANDERNAGORE MUNICIPAL CORPORATION, DIST.-HOOGHLY.

- NOTES:-
- All dimensions & levels are in mm, otherwise mentioned.
 - E.G.L. corresponds to existing ground level & F.G.L. corresponds to finished ground level.
 - All R.C.C. work shall Preferably be of M25 grade for Sub-structure & M20 for Super structure.
 - T.M.T. reinforcement bar (yield stress $f_y = 500$ N/mm²) shall conform to IS:1786.
 - Clear cover for $F_{dn} = 50$ mm, Column=40mm, Beam=25mm and Slab=20mm.
 - Stone chips shall be 20 mm. down well graded.
 - All reinforcement shall be of high yield strength deformed bars conforming to IS:1786.
 - Laps to be suitably staggered and in no case more than 50% bars be lapped at any section.
 - Bent length shall be as per SP34 & IS 2502
 - Development length "Ld" & lap length shall be taken as 50 x dia of the bar unless specified.
 - All construction work shall be executed in accordance with relevant IS codes.
 - 5-16ØT means 5 nos bar of 16mm dia. T.M.T./HYSD bar.
 - Any discrepancy in Drg. should be brought to the notice of designers immediately.
 - Floor Levels/Height shall be match with architectural drawing.

Signature Of Owner :-

Certificate of Structural Engineer

Certified that the structural drawing and design of both the foundation and superstructure of the building has been made considering the Soil Test Report, as per the rules and regulations made under the Act and also considering all possible loads, seismic load and moments generated by the proposed structure as per the Bureau of Indian Standard and National Building Code of India and certified that it is safe and stable in all respect and these provisions shall be adhered to during the construction.

Signature of Structural Engineer

CONSULTANT: **NIRMAN ENGINEERS & ARCHITECT**
DEV PALACE GROUND FLOOR PLAT NO(II)
AT NIPENDRA SARANI PATOKGORA,
CHANDERNAGORE, HOOGHLY 712 136
PHONE - 9017348980, 9426876009

SCALE	1:100,50,25,20	DRAWN BY	SUDIPTA DAS	DATE	13.07.2023
DRG. NO.	NEA/SANC/STR/104	CHECK BY	SK.SABIR ALI		

LEGEND

- SLAB OPENING
- POST STARTED FROM THIS LEV.
- COLUMN / POST TERMINATED IN THIS LEV.

Revision No.- 00
Paper Size- A1
Sheet No.- 1 of 1

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