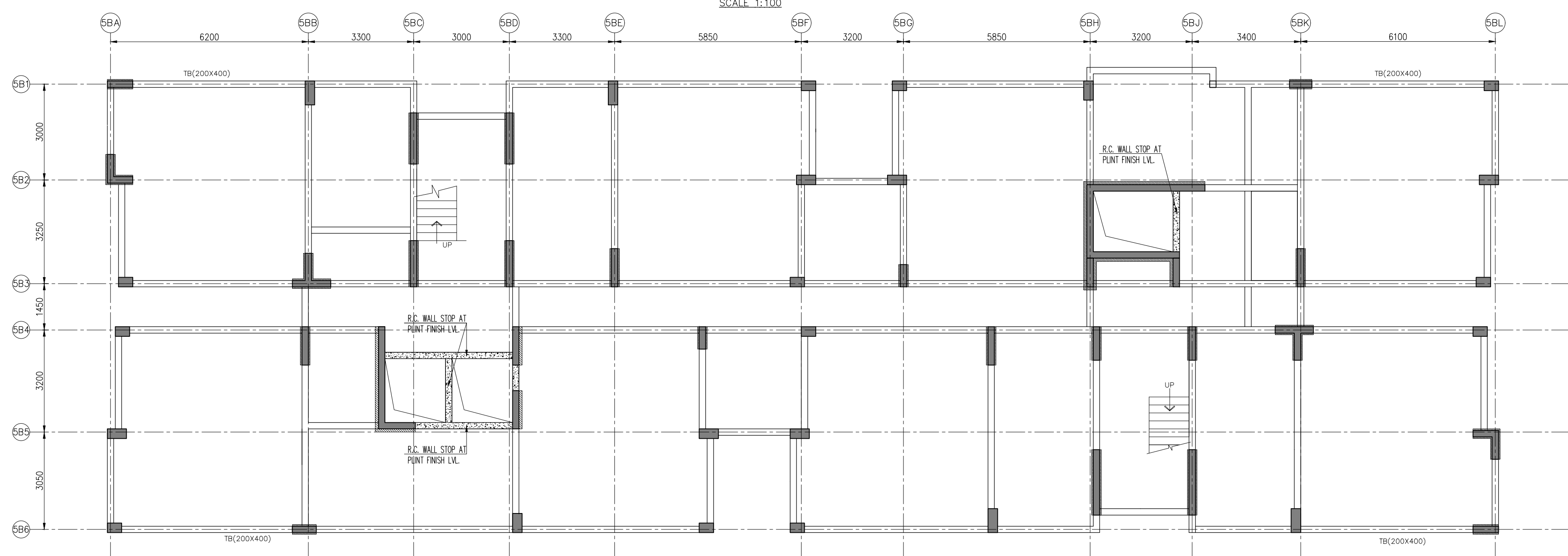


**BUILDING TYPE 5 (G+12)
FIRST FLOOR LAYOUT**

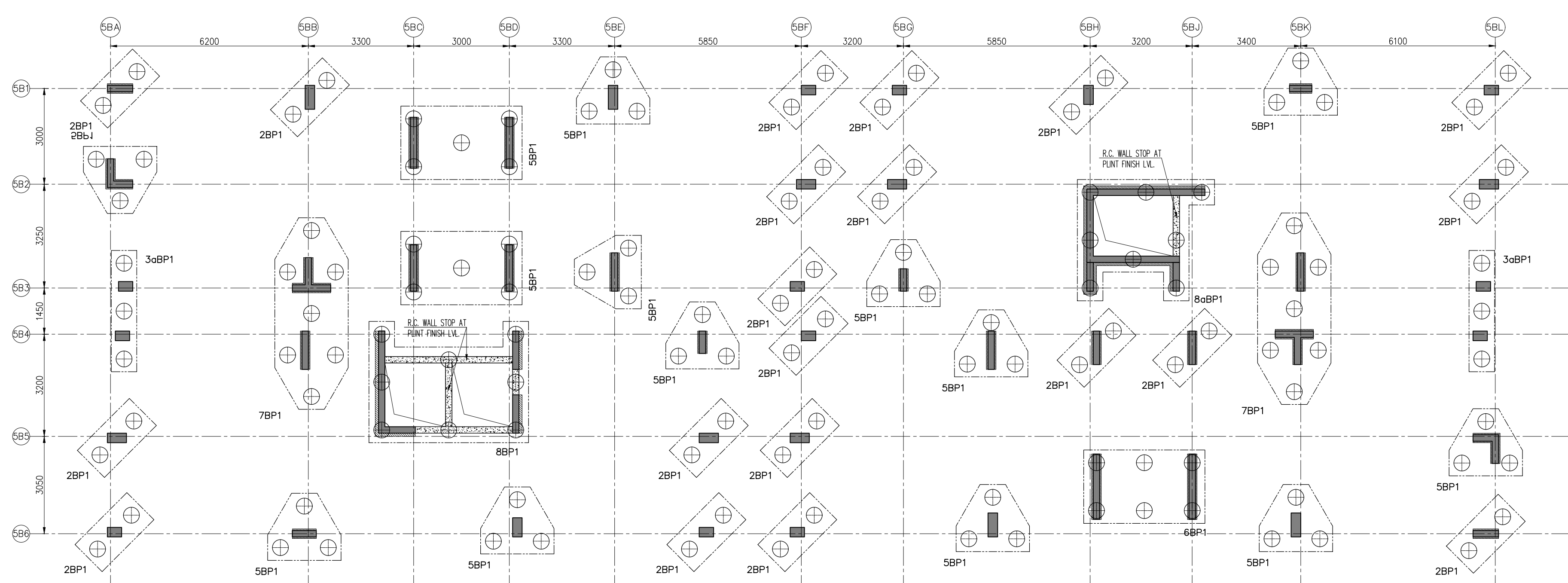
ALL SLAB THK ARE 110MM UNLESS OTHERWISE MENTIONED
ALL BALCONY AND TOILET DROP WILL BE 50 MM

SCALE: 1:100



**BUILDING TYPE 5
TIE BEAM LAYOUT
COLUMN LAYOUT**

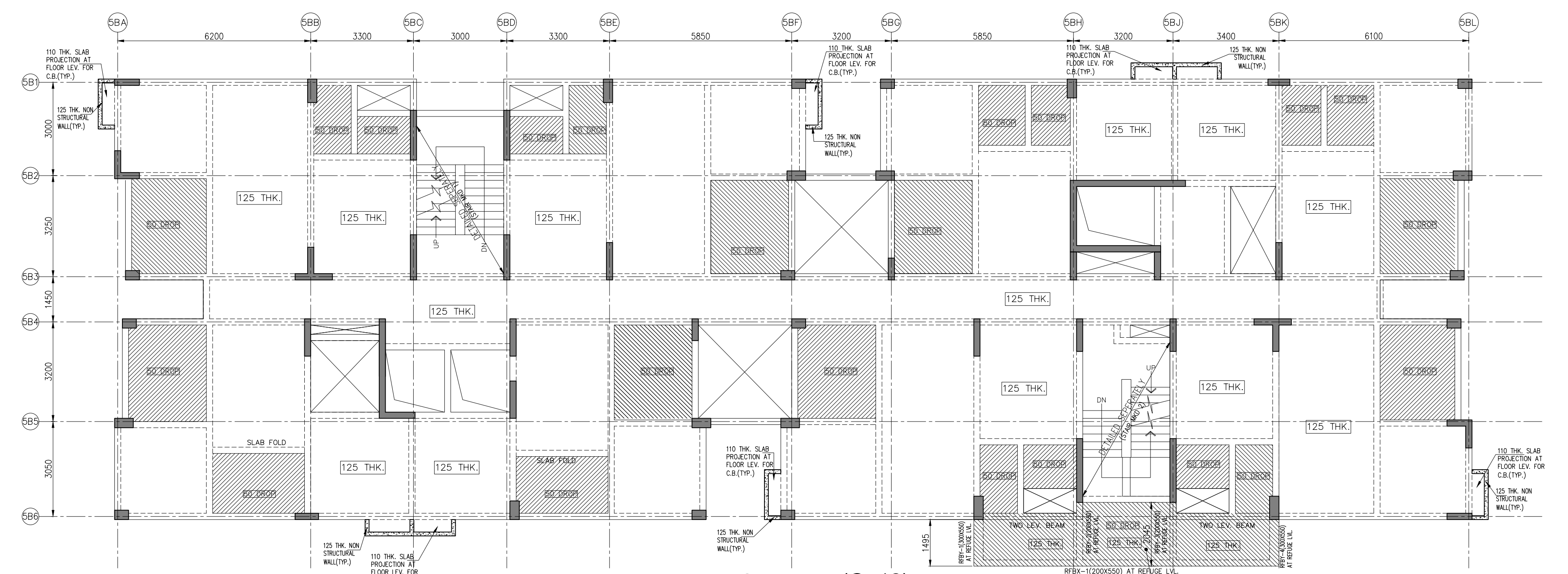
SCALE: 1:100



PILE CAP G.A. (BUILDING- 5)

SCALE: 1:100

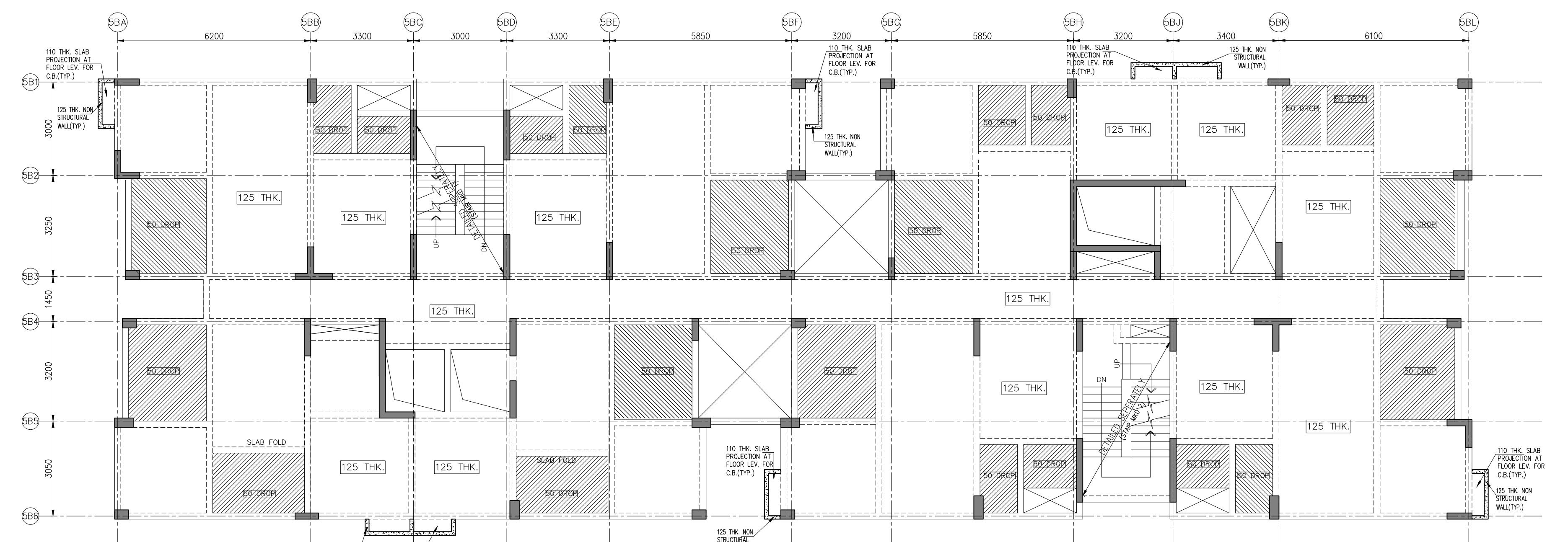
PILE MKD.	DIA. OF PILE	LEGEND OF PILE	TOTAL NUMBER OF PILE	CAPACITY
BP1	500 #		128 NOS.	90 TON



**BUILDING TYPE 5 (G+12)
8TH FLOOR AND 11TH FLOOR PLAN**

ALL SLAB THK ARE 110MM UNLESS OTHERWISE MENTIONED
ALL BALCONY AND TOILET DROP WILL BE 50 MM

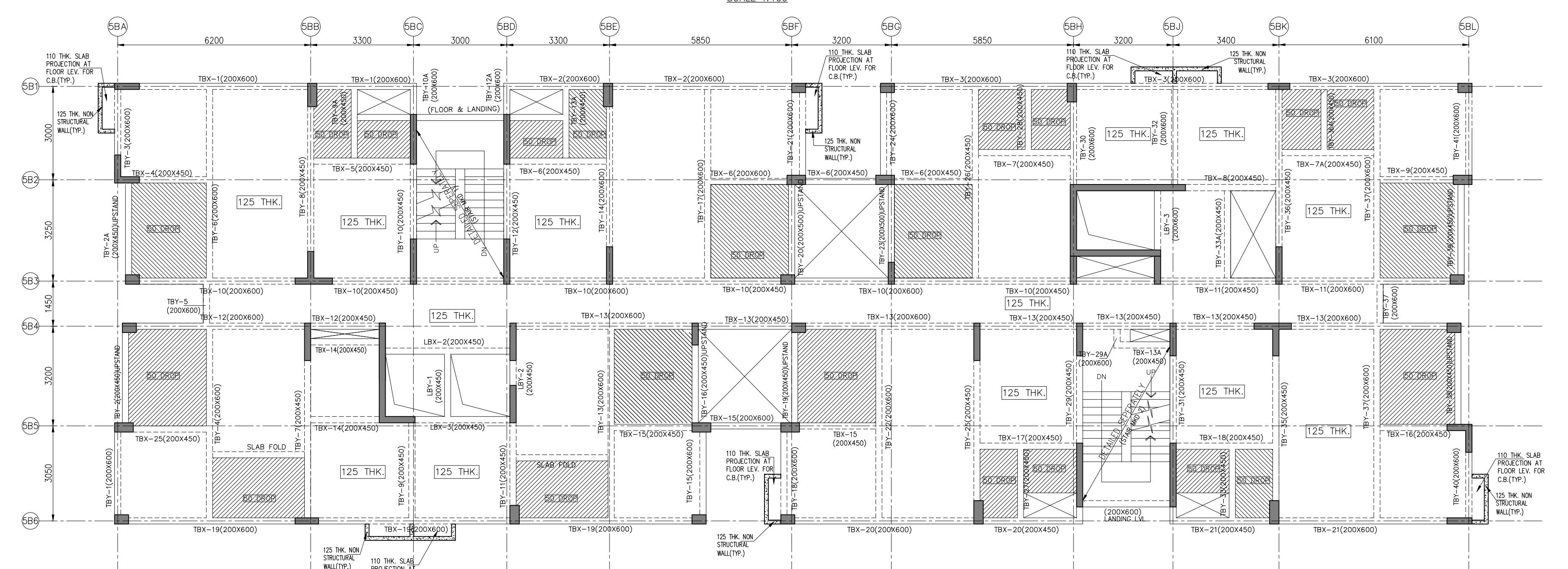
SCALE: 1:100



**BUILDING TYPE 5 (G+12)
7TH & 10TH FLOOR LAYOUT**

ALL SLAB THK ARE 110MM UNLESS OTHERWISE MENTIONED
ALL BALCONY AND TOILET DROP WILL BE 50 MM

SCALE: 1:100



**BUILDING TYPE 5 (G+12)
TYPICAL FLOOR LAYOUT**

(2ND FL. TO 6TH FL. & 9TH FL. & 12TH FL.)

ALL SLAB THK ARE 110MM UNLESS OTHERWISE MENTIONED
ALL BALCONY AND TOILET DROP WILL BE 50 MM

SCALE: 1:100

DECLARATION OF E.S.A.
I HAVE DRAWN ON THE PLAN USING WITH FULL RESPONSIBILITY THAT BUILDING RULES 2007 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ADJUTING ROAD CORROW WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP LAND.

SIGNATURE OF ARCHITECT
SAUGATA MITTRA
ARCH. / AIA
REG. NO. - CA/2002/29849

CERTIFICATE OF STRUCTURAL STABILITY
I HEREBY DECLARE THAT THE FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PREVIOUS NO. 51, LAL BAHADUR SHASTRI ROAD (FORMERLY GARDEN CHANDRA BANERJEE LANE), WARD NO. -15, OF THE KONNAGAR MUNICIPALITY, DAG NOS- 3033, 3034, 3035, 3033/4099, 3033/4100, P.S.-UTTARPARA, MOUZA-KONNAGAR, J.L. NO. -7, L.R. KHATTAN NO.-11490, POST-KONNAGAR, DIST.-HOOGLY, WEST BENGAL. NO. -13, OF THE TOWNSHIP MUNICIPALITY, DIST. -HOOGLY HAVE BEEN SO DESIGNED BY ME THAT IT WILL MAKE SUCH FOUNDATION AND SUPER-STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY OF SOIL ETC.

SIGNATURE OF STRUCTURAL ENGINEER
ANANT KADWALA
M.E (STRUCT.) B.C.E. AH-19246
E.S.E. NO. Y-19246C

SIGNATURE OF STRUCTURAL REVIEWER
UTPAL SANTRA
B.C.E. MCE (STRUCTURE)
FILE - F 1212801
M.C. EMPANELLED STRUCTURAL REVIEWER NO. SR/106/10

PROJECT TITLE:-
PROPOSED RESIDENTIAL CUM MERCANTILE COMPLEX AT PREMISES NO. 15, LAL BAHADUR SHASTRI ROAD (FORMERLY HAREN CHANDRA BANERJEE LANE), WARD NO. -15, OF THE KONNAGAR MUNICIPALITY, DAG NOS- 3033, 3034, 3035, 3033/4099, 3033/4100, P.S.-UTTARPARA, MOUZA-KONNAGAR, J.L. NO. -7, L.R. KHATTAN NO.-11490, POST-KONNAGAR, DIST.-HOOGLY, WEST BENGAL.
PHASE-1 (ALREADY APPROVED) NOS. G+12 (HT. -39.95 MT) STORED 1 NO G+16 (HT. -52.15 MT) STORED RESIDENTIAL BUILDINGS, 1 NO. G+2 (HT. -14.25 MT) STORED CLUB BLOCK.
PHASE-2
1 NO G+12 (HT. -39.95MT) STORED RESIDENTIAL BUILDING,
1 NO G+23 (HT. -75.335 MT) STORED RESIDENTIAL BUILDING,
1 NO G+23 (HT. -75.335 MT) STORED RESIDENTIAL CUM MERCANTILE BUILDING

NOTE:
* ALL DIMENSIONS ARE IN MM.
* ALL EXTERNAL WALLS ARE 200MM THICK & ALL INTERNAL WALLS ARE 100MM THICK, UNLESS OTHERWISE MENTIONED.
* FLY ASH AND FLY ASH BASED MATERIAL WILL BE USED IN THE PROJECT.
* SOLAR ENERGY OF 1% OF THE CONNECTED LOAD WILL BE USED IN THIS PROJECT.

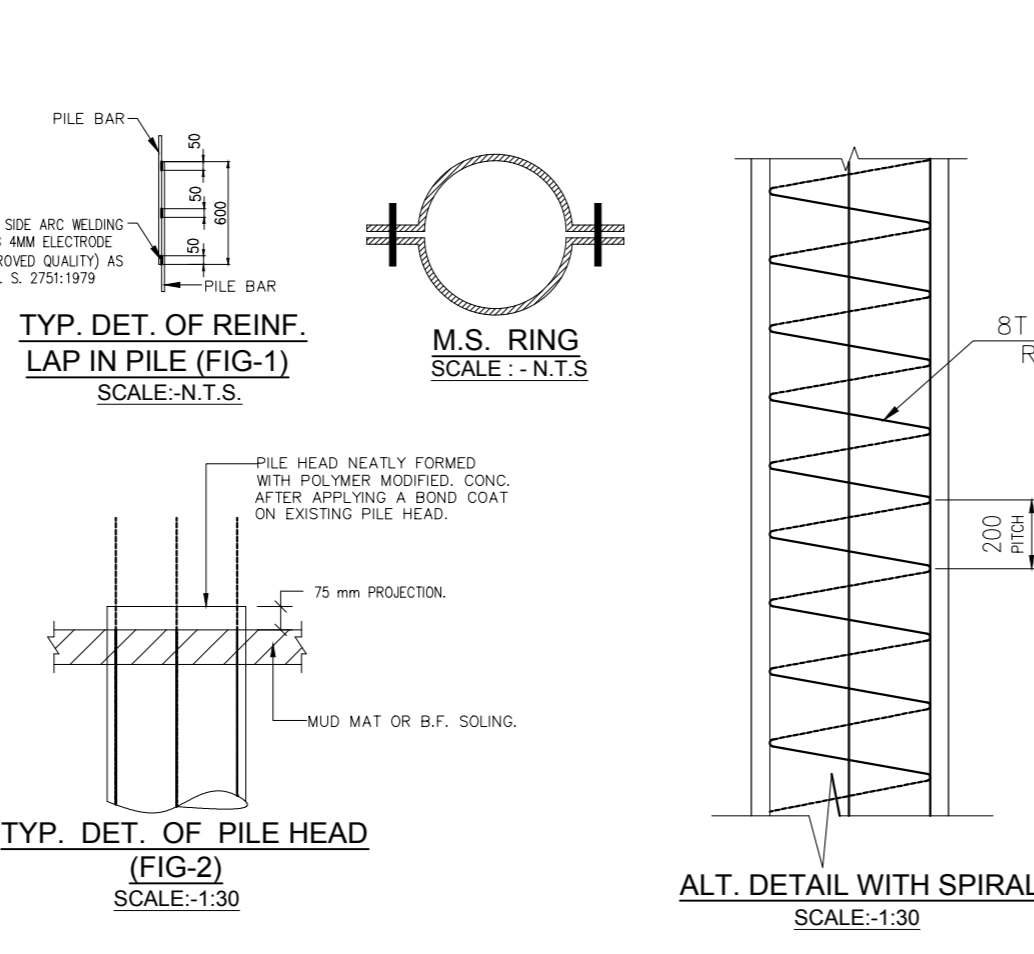
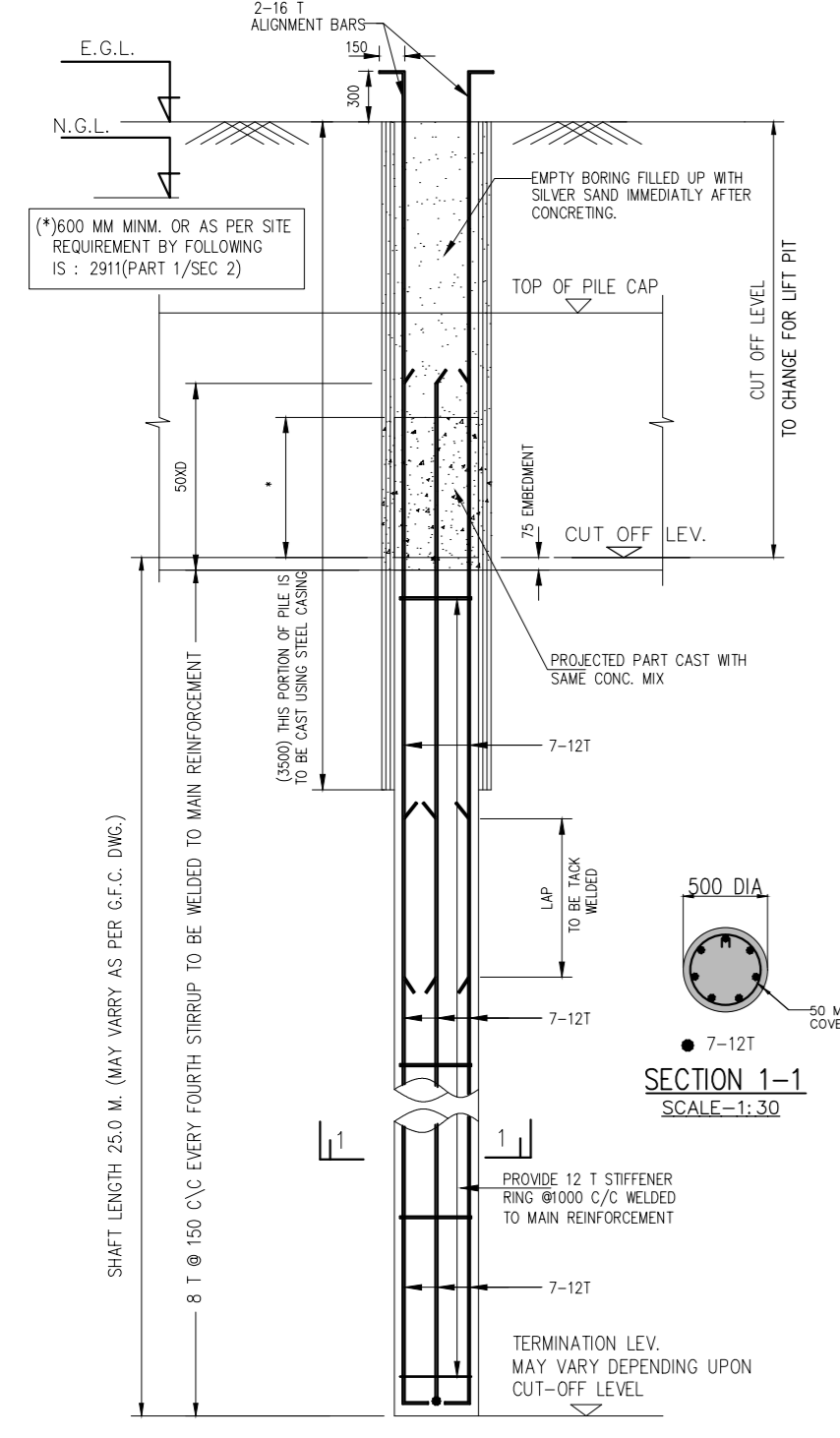
BLOCK-5 (G+12)
PILE LAYOUT PLAN, TIE BEAM LAYOUT & 1ST FL. LAYOUT 2ND FLOOR TO 12TH FLOOR LAYOUT

PRINCIPAL ARCHITECT:-
RICARDO BOFILL
TALLER DE ARQUITECTURA

PROJECT ARCHITECT:-
CONSULTANTS FOR HUMAN SETTLEMENT
UNIT NO. 696/10, SIXTH FLOOR, ACTIVE BUSINESS PARK,
SARDI CREE ROAD, KOLKATA-700105
E-MAIL: SAUGATA.SHELTER@GMAIL.COM /
SHELTER01@GMAIL.COM
566 ANNA SALAI TERNAMPET, CHENNAI-600118

Civil & Structural Consultants:
M N CONSULTANTS (Pvt). Ltd.
M N U CONSULTANTS (Pvt). Ltd.
ISO 9001:2008 CERTIFIED
MNC House
1516, Rajdanga Main Road,
Kolkata - 700 107
PHONE: (033) 40165700 Fax: (033) 2441 8083
E-mail: mncconpl2008@gmail.com

SEAL BY: LK DAS
SCALE: AS SHOWN
DATE: 01.07
DRG. NO.: PH-1
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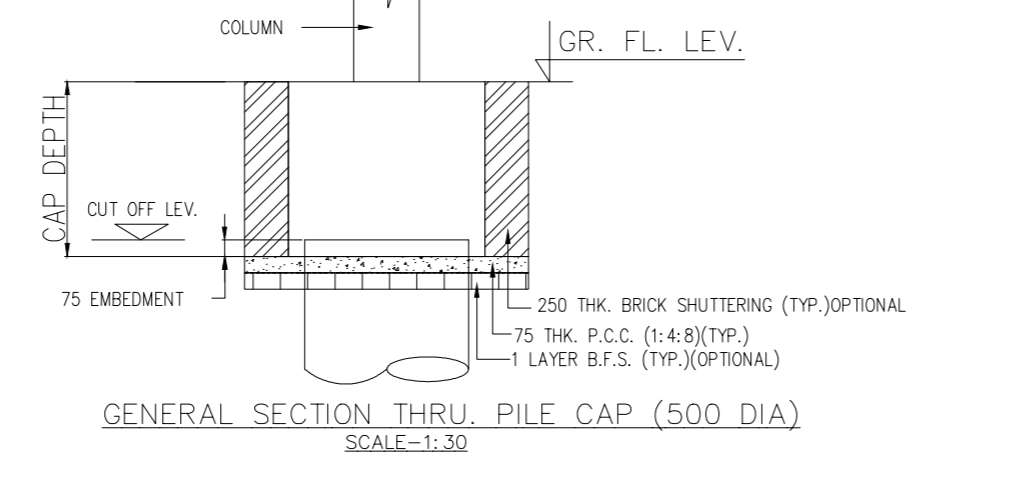
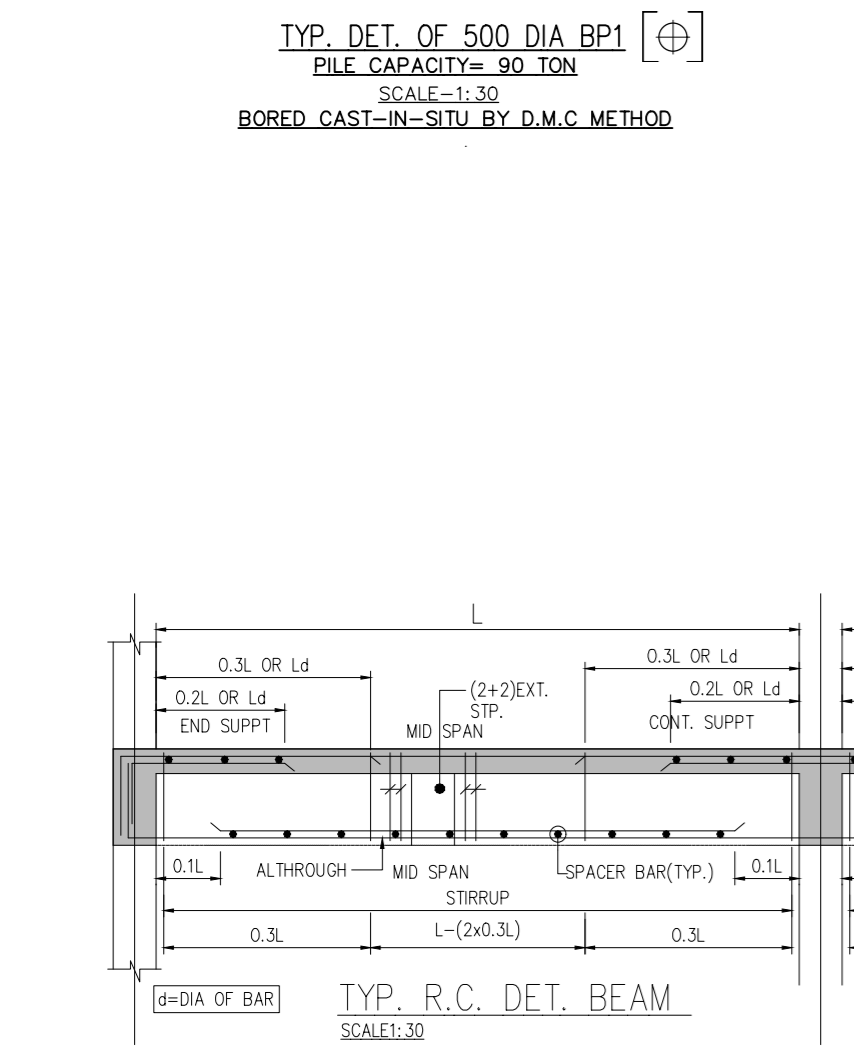
- PILE INSTALLATION (BORED CAST-IN-SITU PILE)**
- ALL REINFORCEMENT IN PILE SHAFTS SHALL BE TMT BARS OF GRADE Fe 500 CONFORMING TO IS. 1786-2008.
 - CONC MIX IN PILE SHALL BE M-25 WITH MINIMUM CEMENT CONTENT OF 400 Kg/CUM OF CONC. AND SLUMP OF CONC BETWEEN 150mm TO 180mm.
 - CLEAR COVER TO REINF. PILE 50 mm. (ROLLER TYPE COVER BLOCK TO BE USED).
 - POSITIONAL ECCENTRICITY OF ANY PILE MORE THAN 50mm FOR SINGLE PILE AND 75 mm. FOR GROUP OF PILES SHALL NOT BE PERMITTED.
 - ALL LAP JOINTS SHALL BE 50 X D AND TACK WELDED. AS SHOWN IN FIG-1.
 - THE PILE HEADS SHALL PROJECT INTO PILE CAP FOR 75 mm THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA. AS PER FIG-2.
 - CONTRACTOR SHALL NOTE THAT THE PILE CAPACITY, CUT OFF LEV. AND TERMINATION LEVELS SHOWN ARE TENTATIVE AND INDICATIVE ONLY. THIS MAY VARY AS PER SITE CONDITIONS.
 - DMC METHOD OF PILE BORING SHALL BE ADOPTED BY CIRCULATING DRILLING FLUID OF SP. GR. 1.03 TO 1.1 AND IN NO CASE IT SHOULD EXCEED 1.12 CONFORMING TO IS-2911.
 - FIELD CONSISTENCY TEST WITH S.P.T SHALL BE CONDUCTED TO ENSURE THE DESIRED S.P.T VALUE AT TERMINATION LEV. AS PER FOLLOWING FREQUENCY
 - FROM 2.0M ABOVE THE TERM. LEV. FOR 1st. PILE (INSIDE PILE BOREHOLE AT EVERY 300 MM LAYER) &
 - FROM 1.0M ABOVE THE TERM. LEV. FOR EVERY 10th. PILE (INSIDE PILE BOREHOLE AT EVERY 300 MM LAYER) THEREAFTER.
 - THE DISC TO BE CASTED MATURED & MINIMUM 14 DAYS PRIOR TO LOWERING OF REINF. CAGING.
 - a) FOR 500 DIA - BORING SHALL CONTINUE DEEP (Abt. 2-3m) INSIDE STRATUM - V CONSISTING OF VERY STIFF TO HARD YELLOWISH BROWN SILTY CLAY / CLAYEY SILT. (N VALUE > 30)

CHART FOR PILE CAP DEPTH

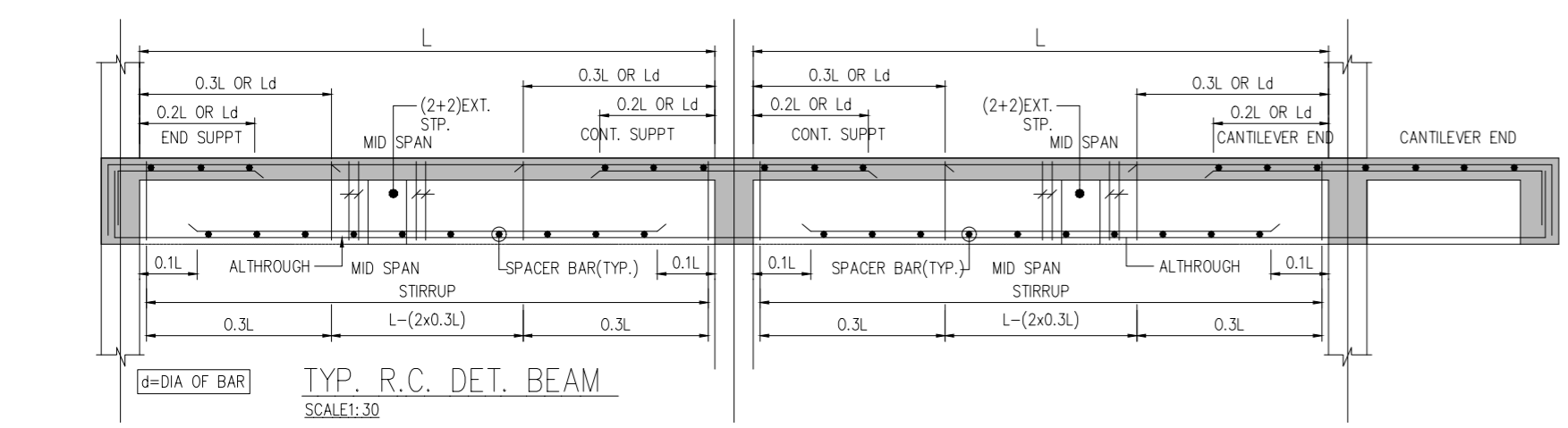
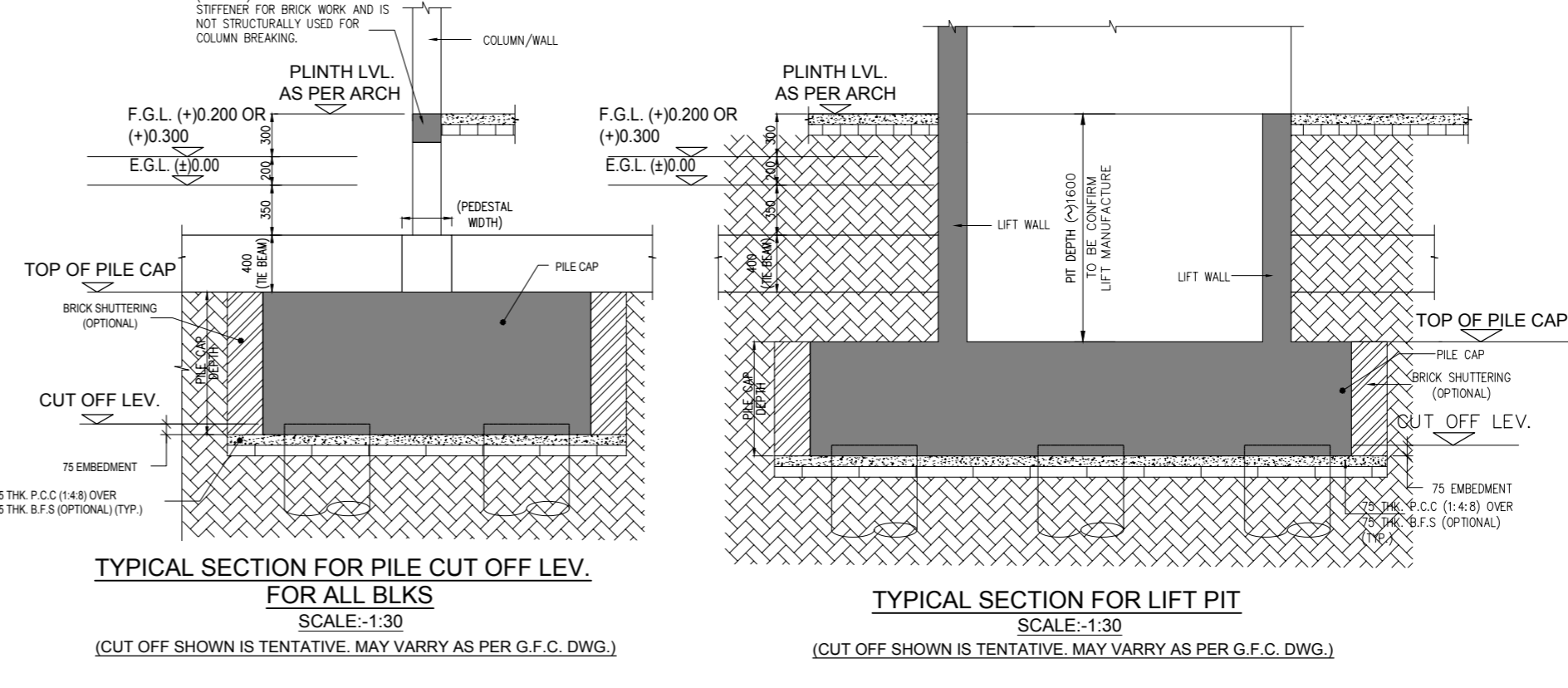
PILE MKD	DIA OF PILE	PILE CAP DEPTH
2BP1	500 DIA	1000 MM.
5BP1	500 DIA	1000 MM.
3aBP1	500 DIA	1000 MM.
5BP1	500 DIA	1000 MM.
6BP1	500 DIA	1000 MM.
7BP1	500 DIA	1000 MM.
8BP1	500 DIA	1000 MM.
8aBP1	500 DIA	1000 MM.

PILE CHART

PILE MKD.	DIA OF PILE	LEGEND OF PILE	SHAFT LENGTH	ULTIMATE CAPACITY
BP1	500 Ø		25 M	90 TON



SPECIAL NOTE FOR MASONRY
FOUNDATION HAS BEEN DONE CONSIDERING MASONRY AS AAC BLOCK



SCHEDULE OF FLOOR BEAMS [M-30] FOR BUILDING PART

BEAM SIZE	BEAM REINFORCEMENT				STIRRUP		REMARKS
	END SUPPT (T)	MID SPAN (B)	MID SPAN (T)	END SUPPT (B)	UPTO 0.3L FROM SUPPT	MID SPAN REST PART	
(200X600)	2-20T+2-20T	2-20T	2-20T	2-20T+2-20T	10T 2L Ø 100 C/C	10T 2L Ø 200 C/C	
(300X550)	3-16T+2-20T	3-16T	3-16T	3-16T+2-20T	10T 4L Ø 100 C/C	10T 4L Ø 150 C/C	
(200X550)	2-20T+2-20T	2-20T	2-20T	2-20T+2-20T	10T 2L Ø 100 C/C	10T 2L Ø 200 C/C	
(200X450)	2-20T	2-20T	2-20T	2-20T	10T 2L Ø 100 C/C	10T 2L Ø 200 C/C	

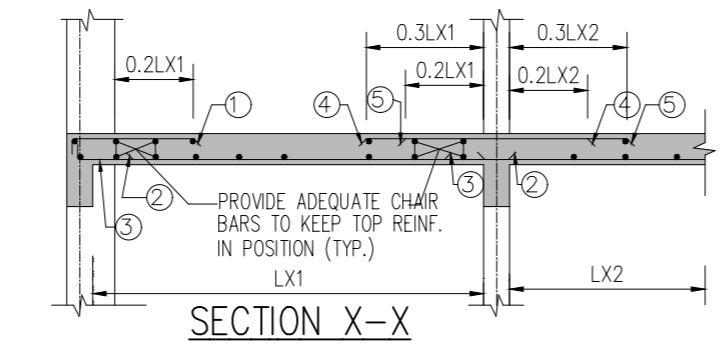
SCHEDULE OF SLABS

SLAB THICKNESS	SLAB REINFORCEMENT			
	SHORTER DIR. SUPPORT	MID SPAN	LONGER DIR. SUPPORT	MID SPAN
125 THK.	8T Ø 100 c/c	8T Ø 150 c/c	8T Ø 200 c/c	8T Ø 200 c/c
110 THK.	8T Ø 175 c/c	8T Ø 150 c/c	8T Ø 200 c/c	8T Ø 200 c/c

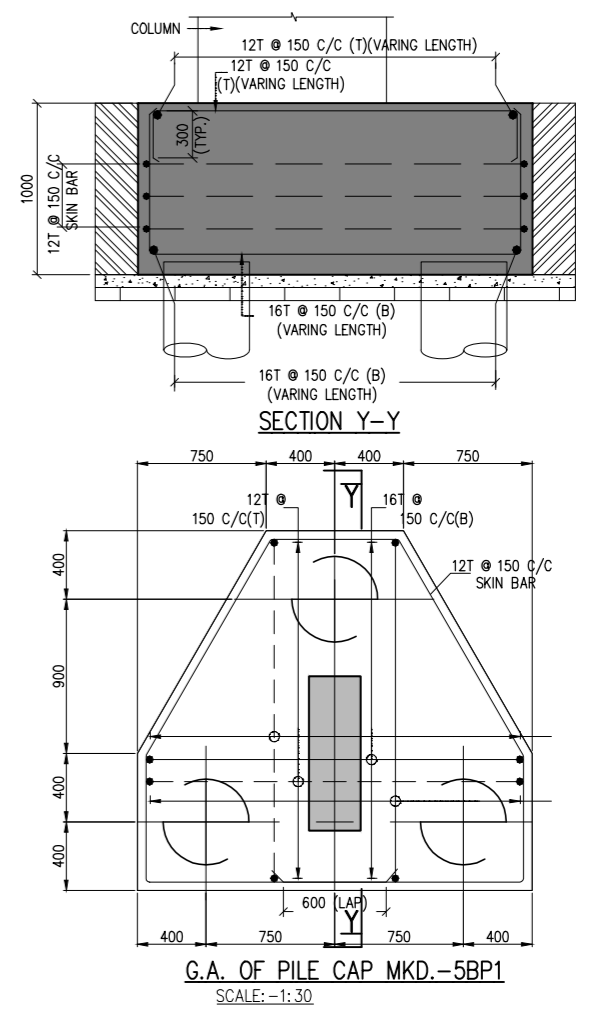
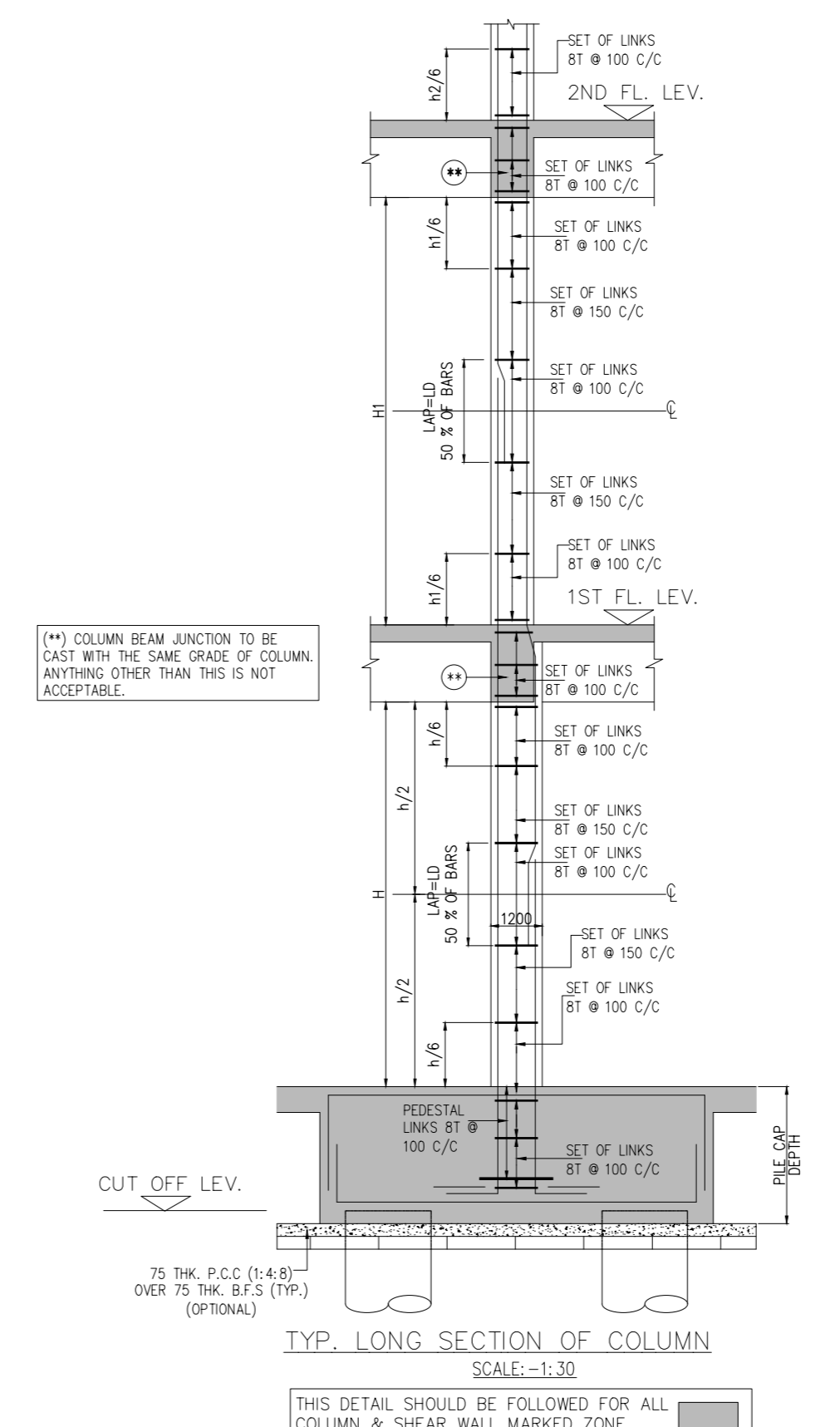
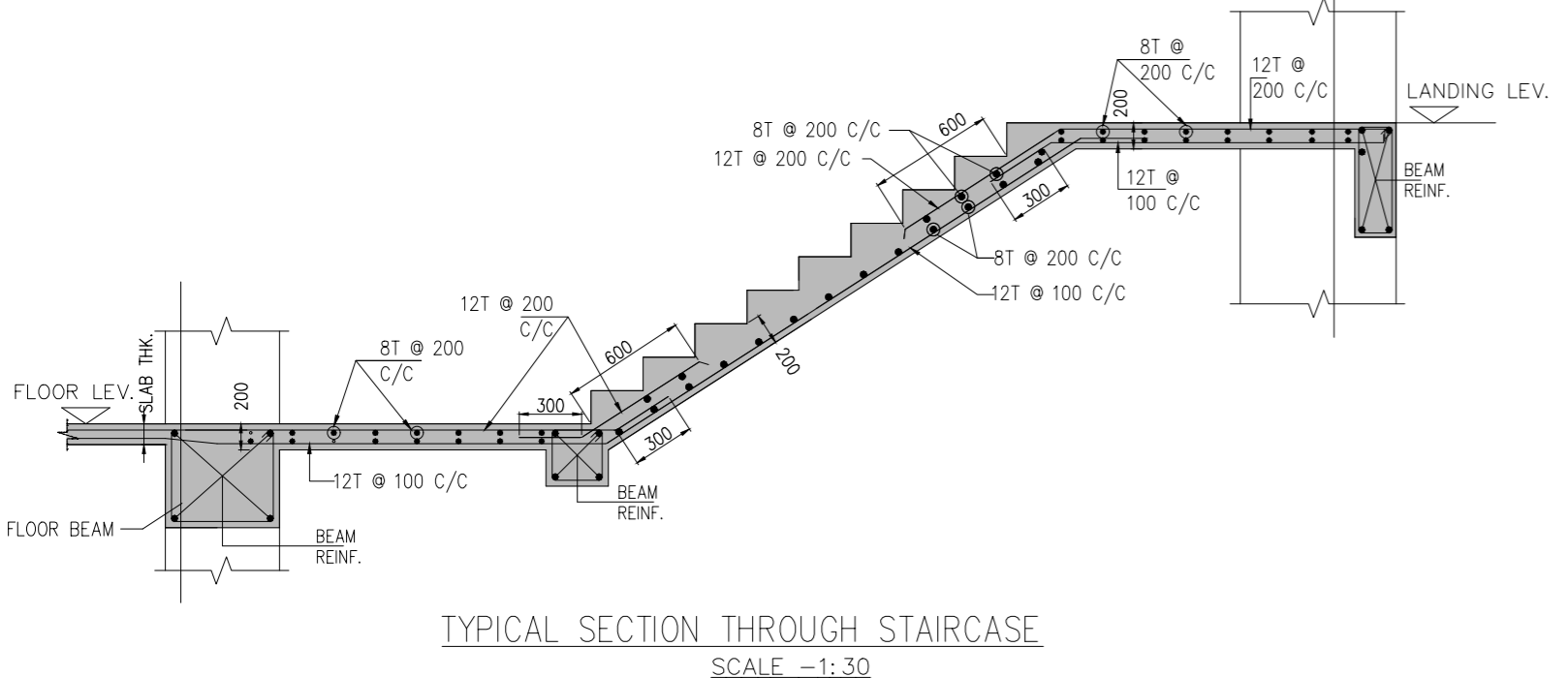
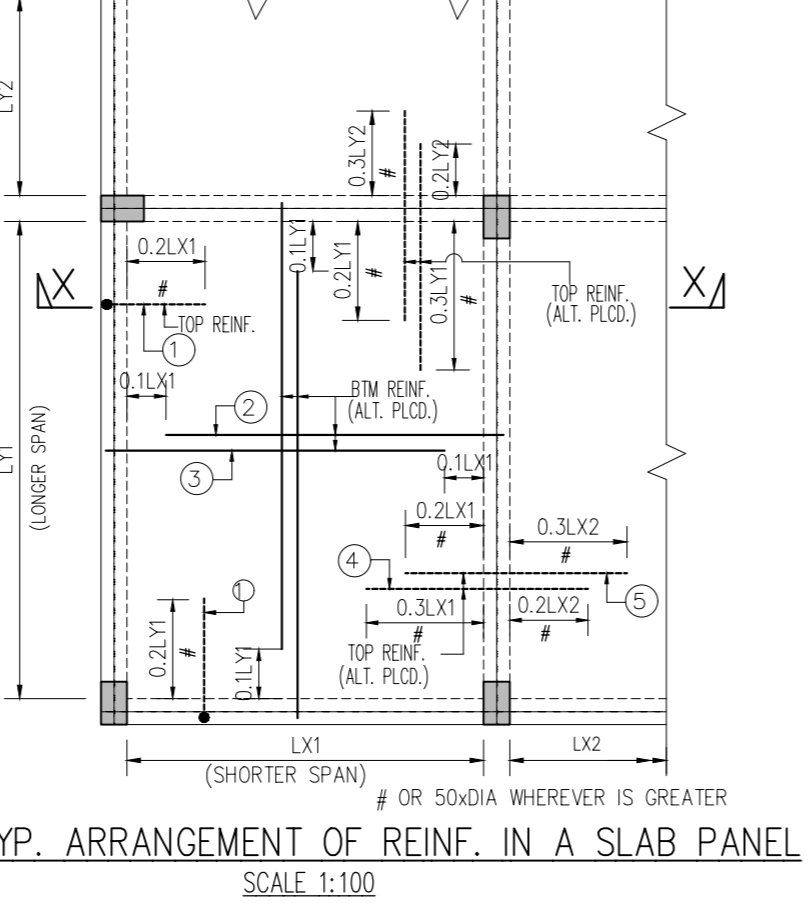
SHEAR WALL SCHEDULE FOR BUILDING PART

ROOF LVL. TO	M-30	M-30	M-30	M-30	M-30
9TH FL. LVL. TO	12-16T	14-16T	20-16T	16T Ø 150 C/C	16T Ø 50 C/C
9TH FL. LVL. TO	M-30	M-30	M-30	M-30	M-30
6TH FL. LVL. TO	12-16T	14-16T	20-16T	16T Ø 150 C/C	16T Ø 50 C/C
6TH FL. LVL. TO	M-40	M-40	M-40	M-40	M-40
3RD FL. LVL. TO	12-20T	14-20T	20-20T	20T Ø 150 C/C	20T Ø 50 C/C
3RD FL. LVL. TO	M-40	M-40	M-40	M-40	M-40
FOUNDATION TO	12-20T	14-20T	20-20T	20T Ø 150 C/C	20T Ø 100 C/C
COL. SIZE	300X600	300X750	300X1600	300X3000	300X4150

COL. LINKS AS SPECIFIED IN SECTION



- NOTES**
- SUPPORT REINFORCEMENT IN SLAB FOR ADJACENT PANELS -- PROVIDE GREATER OF THE TWO (I.E. REINF. WITH LESSER SPACING) UNLESS SPECIFIED OTHERWISE.
 - SUPPORT REINFORCEMENT IN SLAB SHALL BE 0.2L / 0.3L OR DEVELOPMENT LENGTH, WHICHEVER IS GREATER FROM THE FACE OF SUPPORT.
 - DISTRIBUTION STEEL NOT SHOWN IN DRAWING FOR CLARITY, PROVIDE 8 T @ 300 C/C
 - PROVIDE ADEQUATE CHAIR BARS TO BE KEEP TOP REINF.



DECLARATION OF E.O.A.
I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES 2007 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ADJOINING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BALANCE SITE AND NOT A TANK OR A FILLED UP LAND.

DECLARATION OF STRUCTURAL STABILITY
I HEREBY CERTIFY THAT THE FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PREMISES NO. 61, LAL BAHADUR SHASTRI ROAD (FORMERLY HAREN CHANDRA BANERJEE LANE), WARD NO. 15, OF THE KONNAGAR MUNICIPALITY, DAG NOS. -3033, 3034, 3035, 3033/4099, 3033/4100, P.S.-JITTAPARA, MOUZA-KONNAGAR, J.L. NO. 71, R. KHATAN NO. 11690, POST-KONNAGAR, DIST.-HOOGLY, WEST BENGAL. PHASE-1 (ALREADY APPROVED) NOS. G+12 (HT.-39.95 MT) STORED 1. NO G+16 (HT.-52.15 MT) STORED RESIDENTIAL BUILDINGS, 1 NO. G+2 (HT.-14.25 MT) STORED CLUB BLOCK.

NOTE:
ALL DIMENSIONS ARE IN MM.
ALL EXTERNAL WALLS ARE 200MM THICK & ALL INTERNAL WALLS ARE 100MM THICK, UNLESS OTHERWISE MENTIONED.
FLY ASH AND FLY ASH BASED MATERIAL WILL BE USED IN THE PROJECT.
SOLAR ENERGY OF 1% OF THE CONNECTED LOAD WILL BE USED IN THIS PROJECT.

BLOCK-5 (G+12)
TYPICAL REINF. DETAILS

DECLARATION OF E.O.A.
I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES 2007 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ADJOINING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BALANCE SITE AND NOT A TANK OR A FILLED UP LAND.

DECLARATION OF STRUCTURAL STABILITY
I HEREBY CERTIFY THAT THE FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PREMISES NO. 61, LAL BAHADUR SHASTRI ROAD (FORMERLY HAREN CHANDRA BANERJEE LANE), WARD NO. 15, OF THE KONNAGAR MUNICIPALITY, DAG NOS. -3033, 3034, 3035, 3033/4099, 3033/4100, P.S.-JITTAPARA, MOUZA-KONNAGAR, J.L. NO. 71, R. KHATAN NO. 11690, POST-KONNAGAR, DIST.-HOOGLY, WEST BENGAL. PHASE-1 (ALREADY APPROVED) NOS. G+12 (HT.-39.95 MT) STORED 1. NO G+16 (HT.-52.15 MT) STORED RESIDENTIAL BUILDINGS, 1 NO. G+2 (HT.-14.25 MT) STORED CLUB BLOCK.

NOTE:
ALL DIMENSIONS ARE IN MM.
ALL EXTERNAL WALLS ARE 200MM THICK & ALL INTERNAL WALLS ARE 100MM THICK, UNLESS OTHERWISE MENTIONED.
FLY ASH AND FLY ASH BASED MATERIAL WILL BE USED IN THE PROJECT.
SOLAR ENERGY OF 1% OF THE CONNECTED LOAD WILL BE USED IN THIS PROJECT.

BLOCK-5 (G+12)
TYPICAL REINF. DETAILS

DECLARATION OF E.O.A.
I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES 2007 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ADJOINING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BALANCE SITE AND NOT A TANK OR A FILLED UP LAND.

DECLARATION OF STRUCTURAL STABILITY
I HEREBY CERTIFY THAT THE FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PREMISES NO. 61, LAL BAHADUR SHASTRI ROAD (FORMERLY HAREN CHANDRA BANERJEE LANE), WARD NO. 15, OF THE KONNAGAR MUNICIPALITY, DAG NOS. -3033, 3034, 3035, 3033/4099, 3033/4100, P.S.-JITTAPARA, MOUZA-KONNAGAR, J.L. NO. 71, R. KHATAN NO. 11690, POST-KONNAGAR, DIST.-HOOGLY, WEST BENGAL. PHASE-1 (ALREADY APPROVED) NOS. G+12 (HT.-39.95 MT) STORED 1. NO G+16 (HT.-52.15 MT) STORED RESIDENTIAL BUILDINGS, 1 NO. G+2 (HT.-14.25 MT) STORED CLUB BLOCK.

NOTE:
ALL DIMENSIONS ARE IN MM.
ALL EXTERNAL WALLS ARE 200MM THICK & ALL INTERNAL WALLS ARE 100MM THICK, UNLESS OTHERWISE MENTIONED.
FLY ASH AND FLY ASH BASED MATERIAL WILL BE USED IN THE PROJECT.
SOLAR ENERGY OF 1% OF THE CONNECTED LOAD WILL BE USED IN THIS PROJECT.

BLOCK-5 (G+12)
TYPICAL REINF. DETAILS

PRINCIPAL ARCHITECT: - RICARDO BOFILL
TALLER D'ARQUITECTURA

PROJECT ARCHITECT: - CONSULTANTS FOR HUMAN SETTLEMENT
UNIT NO. 68/60, SOUTH FLOOR, ACTIVE BUSINESS PARK, 84/10 D CHER ROAD, KOLKATA-700195
E-MAIL: SAUGATA.SHE.TS@GMAIL.COM / SHELTER10197@GMAIL.COM
566 ANNA SALAI TERNAMPET, CHENNAI-600018

Civil & Structural Consultant: M N CONSULTANTS (Pvt) Ltd. M N U CONSULTANTS (Pvt) Ltd.

ISO 9001 : 2008 CERTIFIED
MNC House
1516, Rajdanga Main Road,
Kolkata - 700 107
Phone:- (033) 40165700. Fax: (033) 2441 8083
E-mail: mncnpl2008@gmail.com

PROJECT TITLE: - PROPOSED RESIDENTIAL CUM MERCANTILE COMPLEX AT PREMISES NO. 61, LAL BAHADUR SHASTRI ROAD (FORMERLY HAREN CHANDRA BANERJEE LANE), WARD NO. 15, OF THE KONNAGAR MUNICIPALITY, DAG NOS. -3033, 3034, 3035, 3033/4099, 3033/4100, P.S.-JITTAPARA, MOUZA-KONNAGAR, J.L. NO. 71, R. KHATAN NO. 11690, POST-KONNAGAR, DIST.-HOOGLY, WEST BENGAL.

PHASE-1 (ALREADY APPROVED) NOS. G+12 (HT.-39.95 MT) STORED 1. NO G+16 (HT.-52.15 MT) STORED RESIDENTIAL BUILDINGS, 1 NO. G+2 (HT.-14.25 MT) STORED CLUB BLOCK.

PHASE-2 1 NO G+12 (HT.-39.95MT) STORED RESIDENTIAL BUILDING, 1 NO G+16 (HT.-52.15 MT) STORED RESIDENTIAL BUILDING, 1 NO G+23 (HT.-75.335 MT) STORED RESIDENTIAL CUM MERCANTILE BUILDING

NOTE:
ALL DIMENSIONS ARE IN MM.
ALL EXTERNAL WALLS ARE 200MM THICK & ALL INTERNAL WALLS ARE 100MM THICK, UNLESS OTHERWISE MENTIONED.
FLY ASH AND FLY ASH BASED MATERIAL WILL BE USED IN THE PROJECT.
SOLAR ENERGY OF 1% OF THE CONNECTED LOAD WILL BE USED IN THIS PROJECT.

BLOCK-5 (G+12)
TYPICAL REINF. DETAILS