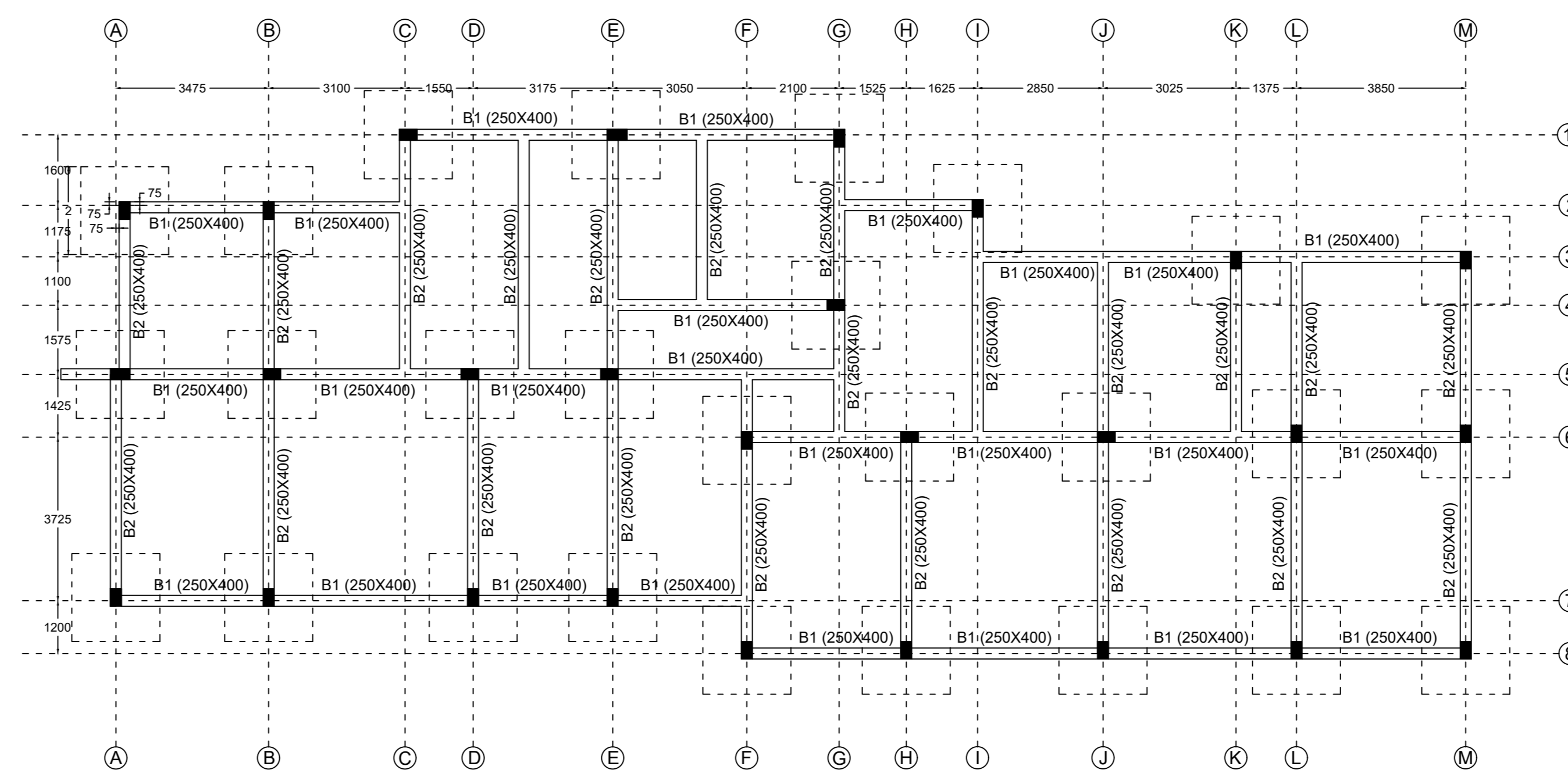
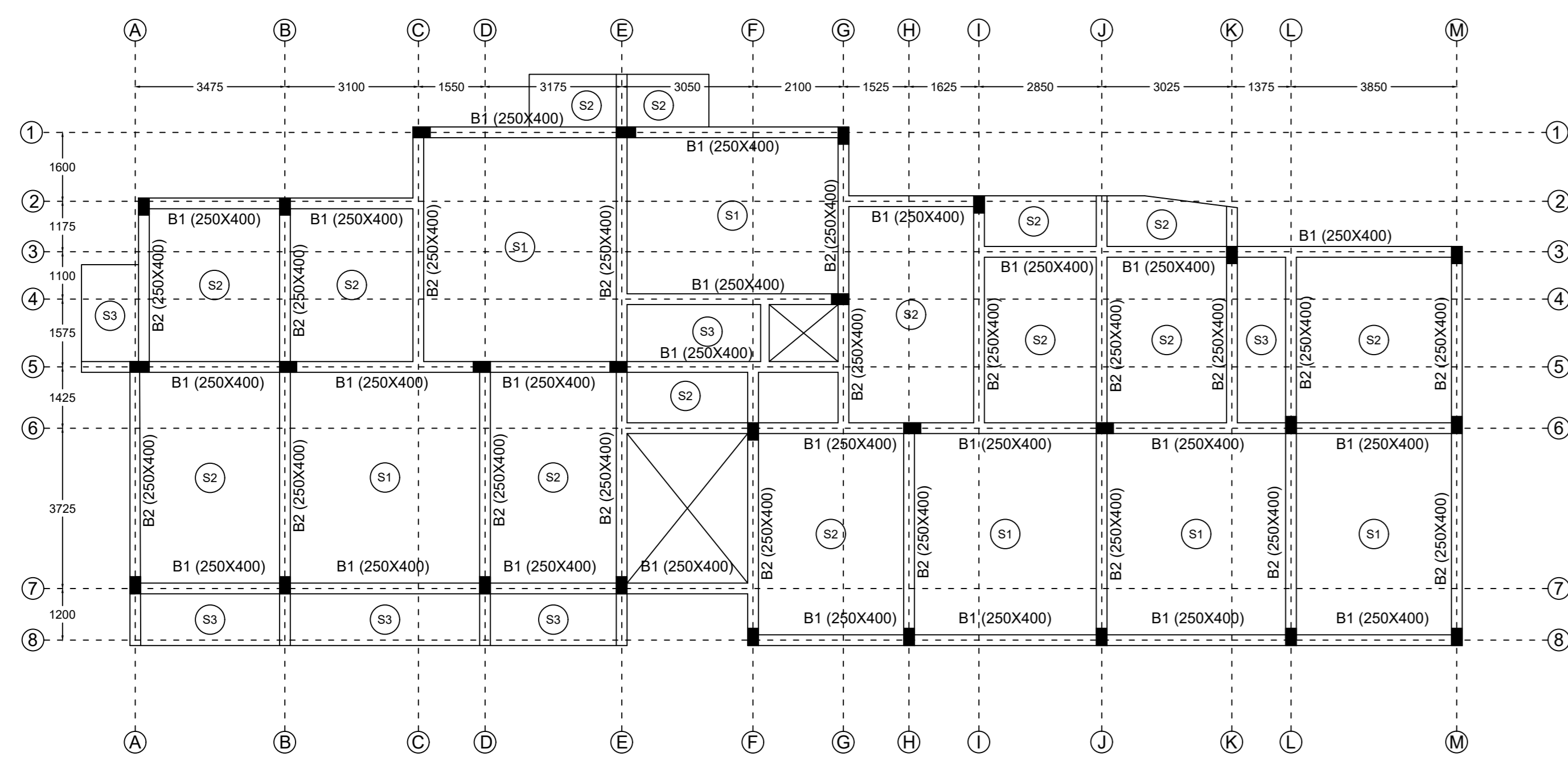


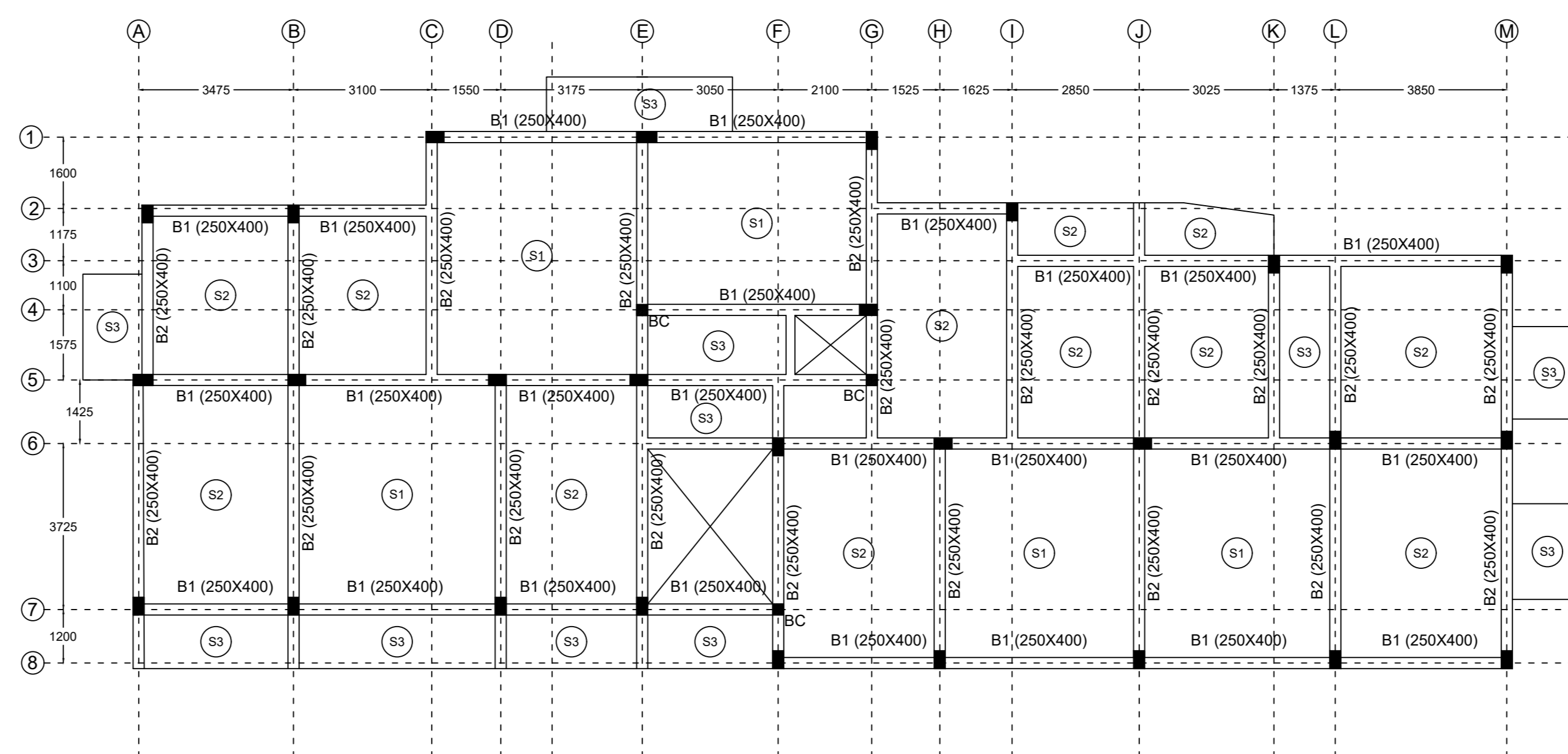
GRID & COLUMN LAYOUT



TIE BEAM & FOUNDATION LAYOUT



TYPICAL FLOOR PLAN
125 THK. SLAB, UNO



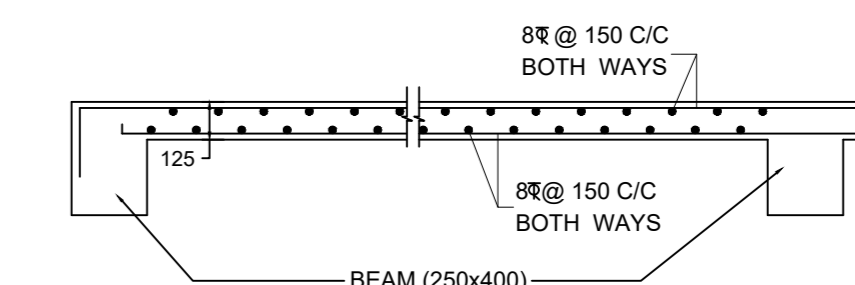
TERRACE FLOOR PLAN
125 THK. SLAB, UNO

N.B. - BRICK COLUMN (BC) STARTS FROM ROOF

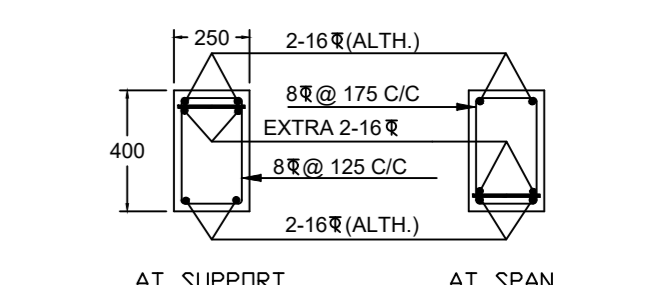
SCHEDULE OF R.C. SLAB

SLAB MKD.	SLAB THK (MM)	SLAB TYPE	TOP REINFORCEMENT	BOTTOM REINFORCEMENT
B1	125	TWO-WAY SLAB	8# @ 125 C/C BOTH WAYS	8# @ 125 C/C BOTH WAYS
B2	125	TWO-WAY SLAB	8# @ 150 C/C BOTH WAYS	8# @ 150 C/C BOTH WAYS
S3	125	ONE-WAY SLAB	8# @ 150 C/C BOTH WAYS	8# @ 150 C/C BOTH WAYS

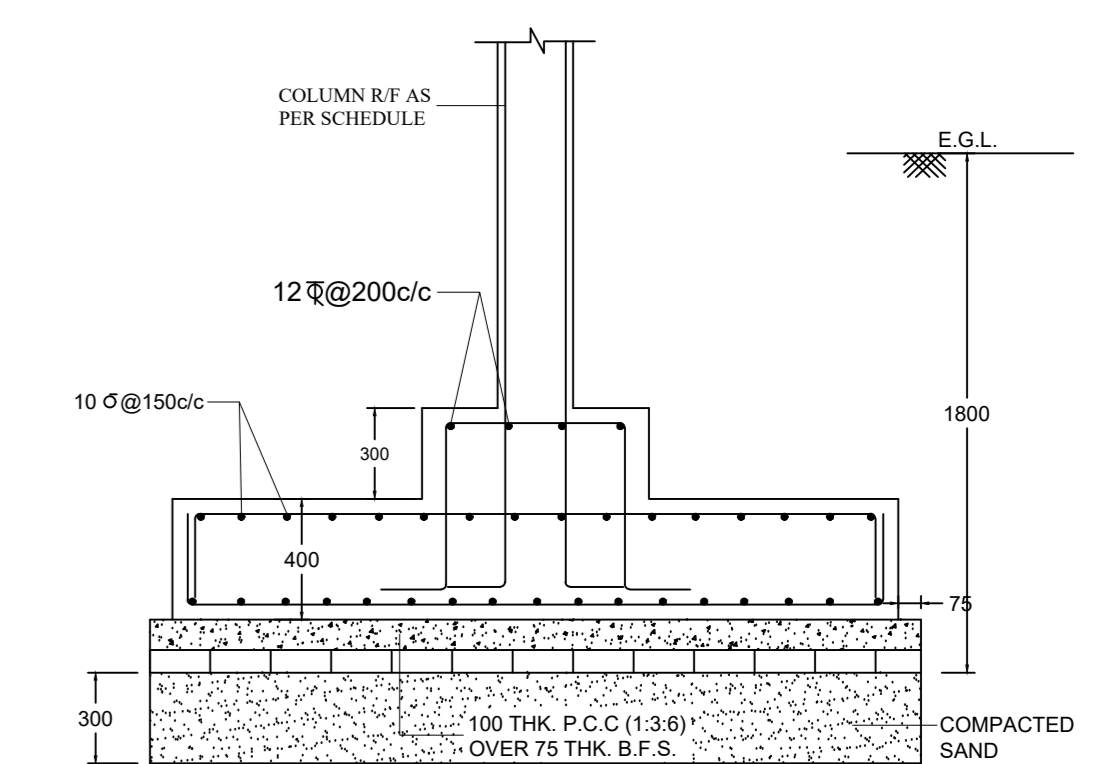
N.B. - FOR ONE WAY SLAB DISTRIBUTION BARS GIVEN 300 C/C



SECTIONAL VIEW OF SLAB
SCALE 1:25



TYPICAL DETAILS OF RCC BEAM
SCALE 1:25



SECTION X-X
TYPICAL SECTIONAL VIEW OF RAFT FOOTING
SCALE 1:25

MUMTY & LIFT M/C
ROOM PLAN
115 THK. SLAB, UNO

SCHEDULE OF TIE BEAM / FLOOR BEAM

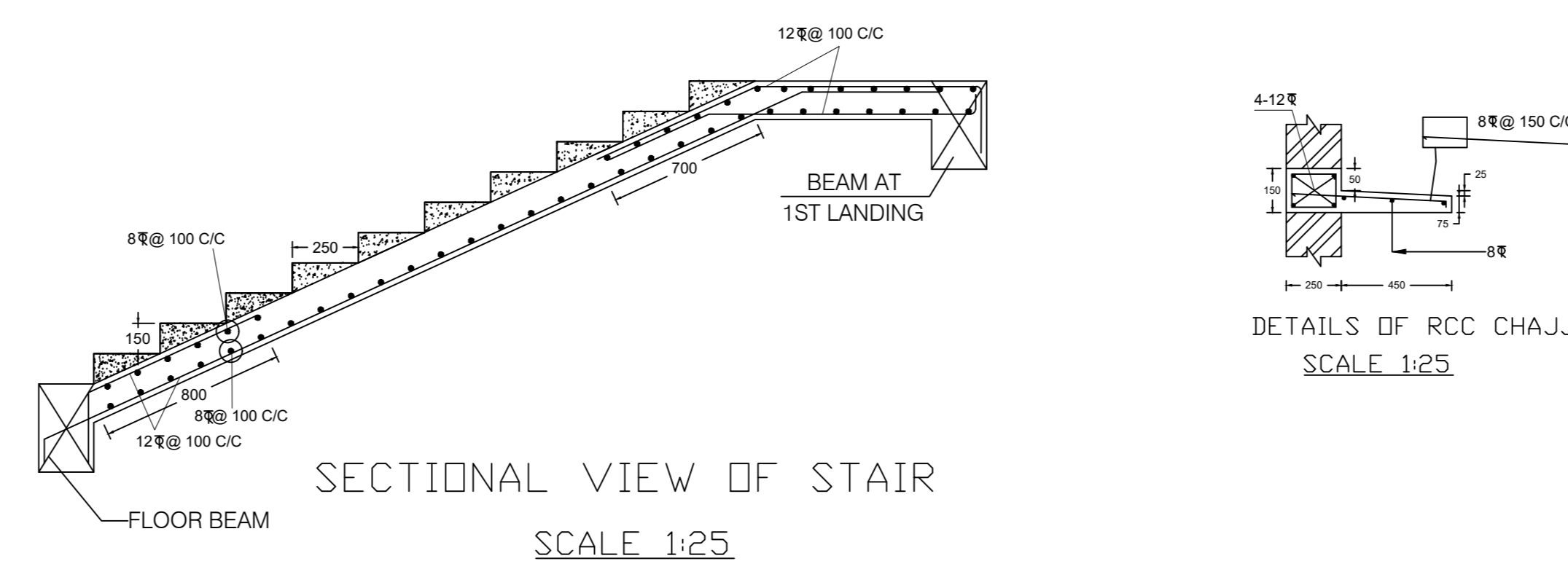
BEAM MKD.	BEAM SIZE (W X D)	REINFORCEMENT AT SUPPORT		REINFORCEMENT AT SPAN		STIRRUP AT SUPPORT	STIRRUP AT SPAN
		TOP	BOTTOM	TOP	BOTTOM		
B1	250X400	2-16# ALTH. + 2-16# EXTRA	2-16# ALTH.	2-16# ALTH.	2-16# ALTH. + 2-16# EXTRA	8# @ 125 C/C	8# @ 175 C/C
B2	250X400	2-16# ALTH. + 2-12# EXTRA	2-16# ALTH.	2-16# ALTH.	2-16# ALTH. + 2-12# EXTRA	8# @ 125 C/C	8# @ 175 C/C
B3	250X400	2-12# ALTH. + 2-12# EXTRA	2-12# ALTH.	2-12# ALTH.	2-12# ALTH. + 2-12# EXTRA	8# @ 125 C/C	8# @ 175 C/C
B4	250X350	2-16# ALTH. + 2-12# EXTRA	2-12# ALTH.	2-16# ALTH.	2-12# ALTH. + 2-12# EXTRA	8# @ 125 C/C	8# @ 175 C/C
B5	250X400	2-12# ALTH. + 2-10# EXTRA	2-12# ALTH.	2-12# ALTH.	2-12# ALTH.	8# @ 125 C/C	8# @ 175 C/C
B6	200X350	2-12# ALTH.	2-12# ALTH.	2-12# ALTH.	2-12# ALTH.	8# @ 125 C/C	8# @ 175 C/C
LANDING BEAM	250X400	2-16# ALTH. + 2-12# EXTRA	2-12# ALTH.	2-16# ALTH.	2-12# ALTH. + 2-12# EXTRA	8# @ 100 C/C	8# @ 150 C/C

SCHEDULE OF R. C. COLUMN

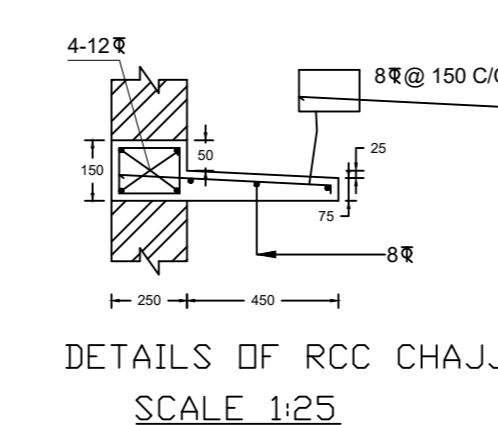
COLUMN MKD.	COLUMN SIZE	VERTICAL REINFORCEMENT		LATERAL TIE	
		FOUNDATION TO 2ND FLOOR	2ND FLOOR TO ROOF	1/6TH BOTH END	MID PORTION
C5, C6, C14, C16, C19	250 x 400	8-16#	6-16# + 2-12#	8# @ 125 C/C	8# @ 200 C/C
C2, C4, C7, C10, C11, C15, C20	250 x 400	6-16# + 4-12#	4-16# + 6-12#	8# @ 125 C/C	8# @ 200 C/C
C8, C9, C12, C13, C16, C17	250 x 400	8-16# + 2-12#	6-16# + 4-12#	8# @ 125 C/C	8# @ 175 C/C
C1, C3, C21, C22	250 x 400	4-16# + 4-12#	4-16# + 4-12#	8# @ 125 C/C	8# @ 200 C/C

SCHEDULE OF R. C. STRAP BEAM

BEAM MKD.	BEAM SIZE (W X D)	REINFORCEMENT AT SUPPORT		REINFORCEMENT AT SPAN		STIRRUP AT SUPPORT	STIRRUP AT SPAN
		TOP	BOTTOM	TOP	BOTTOM		
SB1	600 x 800	4-16# ALTH.	4-16# ALTH.	4-16# ALTH.	4-16# ALTH.	10# @ 125 C/C	10# @ 150 C/C



SECTIONAL VIEW OF STAIR
SCALE 1:25



DETAILS OF RCC CHAJJA
SCALE 1:25

SCHEDULE OF DOORS & WINDOWS							
MKD.	HEIGHT	WIDTH	REMARKS	MKD.	HEIGHT	WIDTH	REMARKS
D0	2250	2450	MS SHEET	W1	1200	1500	GLAZED
D1	2100	1200	GRILL	W2	1200	1200	GLAZED
D2	2100	1050	PANEL	W3	1200	900	GLAZED
D3	2100	900	PANEL	W4	600	900	LOUVERED
D4	2100	750	PVC	W5	1800	900	GLAZED

GENERAL NOTES:-

- All dimensions are in mm UNO.
- Do not scale the drawing, follow written dimension only.
- All dimensions are to be checked at site before commencement of work.
- Walls are 200 & 125 thk. (1:4). Floor to floor height is 2.85 m.
- This drawing shall be read in conjunction with relevant Architectural & Structural drawing.
- All bars shall be HYSD / TMT bars of grade Fe500 and conforming to IS1786:1985.
- All concrete shall be M25 UNO.
- Proper mixing of different ingredients of concrete should be ensured with desired compaction after laying.
- Clear cover to be kept as follows:- Footing & Pedestal: 50 mm, Column: 40 mm, Beam: 30 mm & Slab: 20 mm.
- All main reinforcement shall be embedded in support with suitable development length.
- 300 mm sand filling to be done below Foundation with proper compaction.
- All columns should be extended up to 1.0 m with lean concrete (M10) for future extension if construction of column stop before completion.

PROJECT TITLE

Construction of "G+4 Residential Building" of 1) RAJASHRI LAHA, 2) NAMITA LAHA & 3) PADMA PAL, Bankura for Residential Building on J.L. No - 216, Mouza - Lokepur, Plot No - 636 (L.R), Khatian No - 475, 476 & 477, (Ward No - 16), P.S. + Dist. - Bankura.

Signature of Owner

Nabin Chandra Das
B.E. Civil Engineering
M.Tech. Structural Engineering

CONSULTANT

Signature

DRAWING TITLE

STRUCTURAL DETAILS
(SHEET 2 OF 2)

DRAWING NO.	DRAWN	CHKD.
KI/RB/RC/LP.1.2	P.P.M.	S.G.
REVISIONS	DATE	DESCRIPTION
R0	21.05.2022	G.F.C.
No.	Date	Description

SCALE

1:100

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