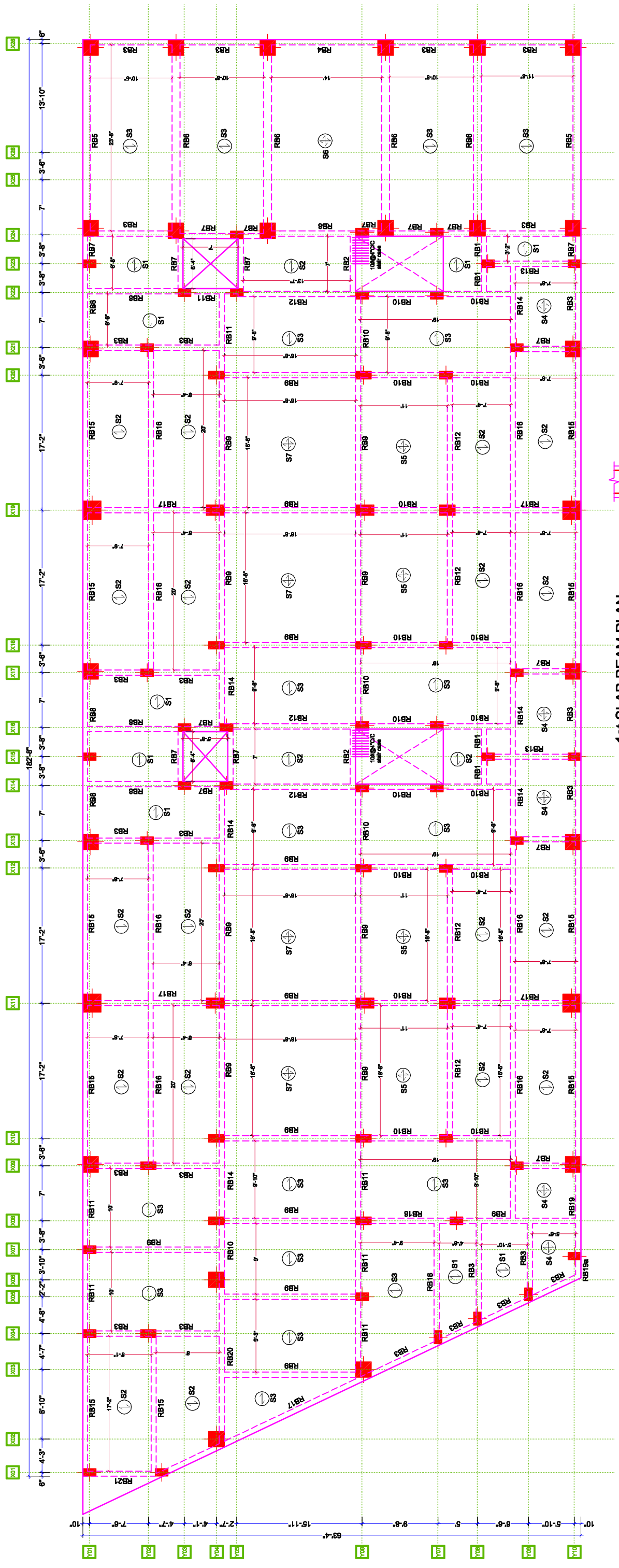


1st SLAB BEAM PLAN

ALL LVL AS PER ARCH DWG

SLAB R/F SCHEDULE

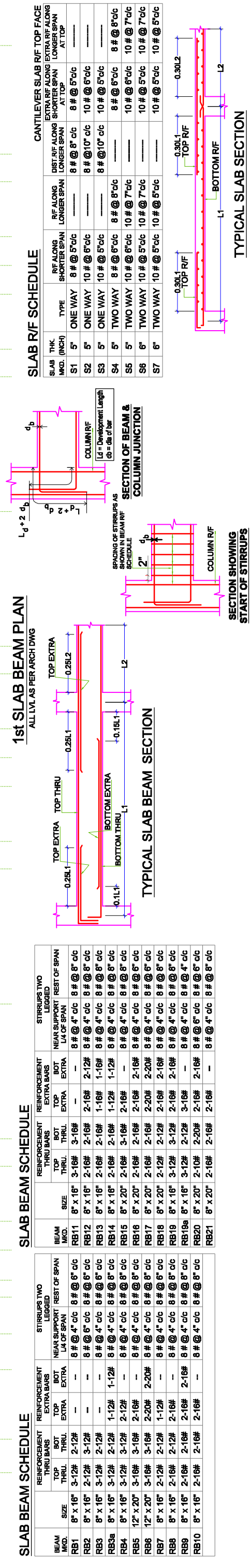
SLAB MKD.	THK. (INCH)	TYPE	R/F ALONG SHORTER SPAN	R/F ALONG LONGER SPAN	DIST.R/F ALONG LONGER SPAN	EXTRA R/F ALONG SHORTER SPAN AT TOP	EXTRA R/F ALONG LONGER SPAN AT TOP
			CANTILEVER SLAB R/F TOP FACE				
S1	5"	ONE WAY	8 # @ 5"c/c	——	8 # @ 8" c/c	8 # @ 5"c/c	——
S2	5"	ONE WAY	10 # @ 6"c/c	——	8 # @10" c/c	10 # @ 6"c/c	——
S3	5"	ONE WAY	10 # @ 5"c/c	——	8 # @10" c/c	10 # @ 5"c/c	——
S4	5"	TWO WAY	8 # @ 6"c/c	8 # @ 8"c/c	——	8 # @ 6"c/c	8 # @ 8"c/c
S5	5"	TWO WAY	10 # @ 6"c/c	10 # @ 7"c/c	——	10 # @ 6"c/c	10 # @ 7"c/c
S6	6"	TWO WAY	10 # @ 5"c/c	10 # @ 7"c/c	——	10 # @ 5"c/c	10 # @ 7"c/c
S7	6"	TWO WAY	10 # @ 5"c/c	10 # @ 5"c/c	——	10 # @ 5"c/c	10 # @ 5"c/c

SLAB BEAM SCHEDULE

BEAM MKD.	SIZE	REINFORCEMENT THRU BARS TOP THRU.	REINFORCEMENT THRU BARS BOT THRU.	REINFORCEMENT EXTRA BARS TOP EXTRA	REINFORCEMENT EXTRA BARS BOT EXTRA	STIRRUPS TWO LEGGED NEAR SUPPORT L/4 OF SPAN	STIRRUPS TWO LEGGED REST OF SPAN
RB1	8" x 16"	3-12#	2-12#	--	--	8 # @ 4" c/c	8 # @ 6" c/c
RB2	8" x 16"	2-12#	3-12#	--	--	8 # @ 6" c/c	8 # @ 6" c/c
RB3	8" x 16"	3-12#	2-12#	--	--	8 # @ 4" c/c	8 # @ 6" c/c
RB3a	8" x 16"	3-12#	2-12#	1-12#	1-12#	8 # @ 4" c/c	8 # @ 8" c/c
RB4	8" x 16"	3-12#	3-12#	2-12#	--	8 # @ 4" c/c	8 # @ 8" c/c
RB5	12" x 20"	3-16#	3-16#	2-16#	--	8 # @ 4" c/c	8 # @ 8" c/c
RB6	12" x 20"	3-16#	3-16#	2-20#	2-20#	8 # @ 4" c/c	8 # @ 8" c/c
RB7	8" x 16"	2-12#	2-12#	1-12#	--	8 # @ 4" c/c	8 # @ 6" c/c
RB8	8" x 16"	2-16#	2-12#	2-16#	--	8 # @ 4" c/c	8 # @ 8" c/c
RB9	8" x 16"	2-16#	2-16#	2-16#	2-16#	8 # @ 4" c/c	8 # @ 8" c/c
RB10	8" x 16"	2-16#	2-16#	2-16#	--	8 # @ 4" c/c	8 # @ 8" c/c

SLAB BEAM SCHEDULE

BEAM MKD.	SIZE	REINFORCEMENT THRU BARS TOP THRU.	REINFORCEMENT THRU BARS BOT THRU.	REINFORCEMENT EXTRA BARS TOP EXTRA	REINFORCEMENT EXTRA BARS BOT EXTRA	STIRRUPS TWO LEGGED NEAR SUPPORT L/4 OF SPAN	STIRRUPS TWO LEGGED REST OF SPAN
RB11	8" x 16"	3-16#	3-16#	--	--	8 # @ 4" c/c	8 # @ 8" c/c
RB12	8" x 16"	2-16#	2-16#	2-16#	2-12#	8 # @ 4" c/c	8 # @ 8" c/c
RB13	8" x 16"	2-16#	2-16#	1-16#	1-16#	8 # @ 4" c/c	8 # @ 8" c/c
RB14	8" x 16"	2-16#	2-16#	1-12#	1-12#	8 # @ 4" c/c	8 # @ 8" c/c
RB15	8" x 20"	2-16#	3-16#	2-16#	--	8 # @ 4" c/c	8 # @ 8" c/c
RB16	8" x 20"	2-16#	2-16#	2-16#	2-16#	8 # @ 4" c/c	8 # @ 8" c/c
RB17	8" x 20"	2-16#	2-16#	2-20#	2-20#	8 # @ 4" c/c	8 # @ 8" c/c
RB18	8" x 20"	2-12#	2-12#	2-16#	2-16#	8 # @ 4" c/c	8 # @ 6" c/c
RB19	8" x 16"	3-12#	3-12#	2-16#	2-16#	8 # @ 4" c/c	8 # @ 8" c/c
RB19a	8" x 16"	3-12#	3-16#	--	--	8 # @ 4" c/c	8 # @ 8" c/c
RB20	8" x 20"	2-10#	2-20#	2-16#	2-16#	8 # @ 6" c/c	8 # @ 8" c/c
RB21	8" x 20"	2-16#	2-16#	2-16#	--	8 # @ 4" c/c	8 # @ 8" c/c



NOTES:-

1. READ THIS DRAWING IN CONJUCTION WITH RELEVANT ARCHITECTURAL/SERVICE DRAWINGS.
2. ALL DIMENSIONS & LEVELS ARE IN MM. UNLESS NOTED OTHERWISE.
3. DO NOT SCALE THE DRAWING. READ FIGURED DIMENSIONS ONLY.

DESIGN CAPACITY:-

4. FOUNDATION HAS BEEN DESIGNED CONSIDERING A NET SAFE BEARING CAPACITY OF 35T/SQMT AT 1200 MM. BELOW NATURAL GROUND LEVEL. ENGINEER-IN-CHARGE TO CONFIRM THE SAME BEFORE EXECUTION OF FOUNDATIONS.

CONCRETE:-

5. GRADE OF CONCRETE FOR ALL RCC WORK SHALL BE M-25. UNLESS NOTED OTHERWISE.
6. PLAIN CEMENT CONCRETE BELOW FOOTINGS SHALL BE 100mm THK (M10) UNO.

REINFORCING STEEL:-

7. ALL REINFORCEMENT BARS SHALL BE HIGH YEILD STRENGTH DEFORMED BARS OF GRADE Fe-500D CONFORMING TO 1786:2008 WITH A MINIMUM YEILD STRENGTH OF 500 N/SQMM.

COVER:-

8. CLEAR COVER TO MAIN R/F SHALL BE:-
   a.) FOOTING = 50 MM.
   b.) FOOTING (SIDE) = 50 MM.
   c.) PEDESTAL = 40 MM.
   d.) COLUMN = 40 MM.
   e.) BEAM = 25 MM.
   f.) SLAB = 20 MM.

BEAM - COLUMN JUNCTIONS:-

9. AT BEAM & COLUMN JUNCTIONS BEAM BARS IF IN CONFLICT WITH COLUMN BARS, SHALL BE \ GRADUALLY BENT & PLACED CLEAR OFF COLUMN BARS. UNDER NO CIRCUMSTANCES COLUMN VERTICAL BARS SHALL BE BENT TO ACCOMMODATE BEAM BARS.
10. EXTRA TOP OR BENT UP BARS SHALL BE EXTENDED UPTO 0.3 x L IN DJACENT SPAN OVER A CONTINOUS SUPPORT. IF EXTRA TOP ARE NOT PROVIDED THEN ANCHOR DOWN AT THE END SUPPORT.

CONSTRUCTION DETAILS:-

11. LAP LENGTH & BOND LENGTH SHALL BE AS PER IS 456: 2000.
12. LAPPING OF BARS SHALL BE STAGGERED. AT ANY CROSS SECTION NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
13. LAPPING OF R/F BARS IN BEAMS & SLABS SHALL BE AVOIDED IN THE FOLLOWING CASES.
    a.) TOP BARS NEAR SUPPORT
    b.) BOTTOM BARS AT MIDSPAN
14. OVERLAP OF BARS IS NOT PERMITTED IN HANGERS.
15. STIRRUPS FOR CANTILEVER BEAMS TO HAVE HOOKS AT BOTTOM
16. ANY TYPE OF OPENINGS (CUTOUT/BLOCKOUT) SHALL BE MATCHED WITH THE SERVICES DRAWINGS.
17. COLUMN REBARS SHALL BE BENT AT CHANGE OF SECTION WITH SLOPE OF (1:6) AS AND WHERE REQUIRED.

LEGEND:-

1. N.G.L :- NATURAL GROUND LEVEL
2. F.F.L :- FINISHED FLOOR LEVEL
3. T.O.C :- TOP OF CONCRETE
4. B.O.B :- BOTTOM OF BEAM
5. T.O.B :- TOP OF BEAM
6. U.N.O :- UNLESS NOTED OTHERWISE
7. F.G.L :- FINISHED GROUND LEVEL

PROJECT:- **MADHUBAN GREEN VALLEY**

BUILDING:- **3BHK FLAT UNIT BLOCK**

DRAWING TITLE: **1st SLAB BEAM PLAN & DETAILS**

DRG. NO: **ADEC/P0/MGV/STR-02**

DRAWN BY	AAMIR	SCALE	1:100
DESIGNED BY	ROHIT	SHEET SIZE	A2
CHECKED BY	ADA	DATE	21.08.2023
APPROVED BY	APOORV		

NO.	DATE	DESCRIPTION	CKD
R0	00.00.0000		

ARCHITECT CONSULTANTS:

STRUCTURAL CONSULTANT:

ENGINEER
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