

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

BASEMENT TO SILT FLOOR				FIRST TO FOURTH FLOOR										REMARK
SRL NO.	COLUMN NO.	COLUMN SIZE	REIN	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REIN	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION			
01	C1	375x900	18-#25	8#-100mm c/c	8#-150mm c/c			375x900	18-#25	8#-100mm c/c	8#-150mm c/c			END AT FIFTEENTH FLOOR
02	C2	450x1050	24-#25	8#-100mm c/c	8#-150mm c/c			450x1050	24-#25	8#-100mm c/c	8#-150mm c/c			
03	C3	375x900	28-#25	8#-100mm c/c	8#-150mm c/c			375x900	28-#25	8#-100mm c/c	8#-150mm c/c			
04	C4	375x900	20-#25	8#-100mm c/c	8#-150mm c/c			375x900	20-#25	8#-100mm c/c	8#-150mm c/c			
05	C5	375x900	18-#25	8#-100mm c/c	8#-150mm c/c			375x900	18-#25	8#-100mm c/c	8#-150mm c/c			
06	C6	375x900	16-#25	8#-100mm c/c	8#-150mm c/c			375x900	16-#25	8#-100mm c/c	8#-150mm c/c			
07	C7	375x900	20-#25	8#-100mm c/c	8#-150mm c/c			375x900	20-#25	8#-100mm c/c	8#-150mm c/c			END AT FIFTEENTH FLOOR
08	C8	450x900	25-#25	8#-100mm c/c	8#-150mm c/c			375x900	22-#25	8#-100mm c/c	8#-150mm c/c			
09	C9	300x900	18-#25	8#-100mm c/c	8#-150mm c/c			300x750	12-#25	8#-100mm c/c	8#-150mm c/c			
10	C10	375x1280	16-#25	8#-100mm c/c	8#-150mm c/c			375x1280	16-#25	8#-100mm c/c	8#-150mm c/c			

GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES, NOT METERS.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:

CONC. GRADE	Lap	Lap
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF @400 c/c UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(16MM)	2/3"(16MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	3/4"(20MM)	1/2"(12MM)	1/2"(12MM)
COLUMNS	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTLS	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR	1"(25MM)	1"(25MM)	1"(25MM)
SLAB & ROOF	2" IN WATER FACE	1/2"(12MM)	1/2"(12MM)
SLAB OF WATER TANK	1/2"(12MM)	1/2"(12MM)	1/2"(12MM)

PAWAN KUMAWAT
ASSOCIATE MEMBER
Indian Institution of Engineers (India)
AM 1995661

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

COLUMN SCHEDULE.

ARCHITECT
AXIS
B-AKULASHI PATIL SURYA NAGAR (W)
CIVIL ENGINEER
PIL 0141-2221035, 9829083773
E-Mail: axisarchitect@gmail.com

DATE	REVISED	DATE

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL RESOURCE													REMARK	
BASEMENT TO STILT FLOOR								FIRST TO FOURTH FLOOR						
SR NO	COLUMN NO	COLUMN SIZE	REINF	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF	STIRRUPS		SECTION		RINGS
				END REGION	MID REGION					END REGION	MID REGION			
21	C21	375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
22	C22	375 x 900	22- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	12- #25	8#- 100mm c/c	8#- 150mm c/c			
23	C23	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	12- #25	8#- 100mm c/c	8#- 150mm c/c			
24	C24	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
25	C25	450 x 1050	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1050	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
26	C26	375 x 900	28- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
27	C27	600 x 900	30- #25	8#- 100mm c/c	8#- 150mm c/c			450 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
28	C28	375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	12- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
29	C29	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
30	C30	600 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			600 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

GENERAL NOTES:-

- ALL DIMENSION AND LEVEL ARE IN FEET/INCHES AND MM.
- DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
- ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L ₁	L ₂
M-40	47d	30d

- TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#@400 C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(16MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1 1/2"(40MM) (EARTH SIDE)	3/4"(20MM) (IN SIDE)
COLUMNS		1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR SLAB & ROOF		ON WATER FACE 1 1/2"(40MM)	ON EARTH SIDE WHERE APPLICABLE
TANK			

PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM 1995661

MANOJ BISHNOI
Architect
COA No. CA/99/25277

REVISIONS

REV 27/06/13

PROJECT TITLE

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

DWG TITLE

COLUMN SCHEDULE

ARCHITECT

AXIS
B-1, KALASHI PATH, SURYA NAGAR (W)
CIVIL LINES, JAIPUR
PIN-304122 (INDIA), INDIA
E-Mail: axisarchitect@gmail.com

DATE

27/06/13

SCALE

AS SHOWN

DATE

27/06/13

BASEMENT TO STILT FLOOR										FIRST TO FOURTH FLOOR				REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION			
11	C11	375 x 1255	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1255	18- #25	8#- 100mm c/c	8#- 150mm c/c			
12	C12	450 x 1050	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
13	C13	450 x 900	28- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
14	C14	300 x 900	12- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			
15	C15	375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			
16	C16	450 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			
17	C17	375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			
18	C18	375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			
19	C19	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			
20	C20	375 x 1050	26- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			

- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L ₁	L ₂
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF #8@8" C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1/4" (6MM)	2/3" (16MM)	2" (50MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL	1 1/2" (40MM)	1 1/2" (40MM)	3/4" (20MM) (IN SIDE)
COLUMNS	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)
BEAMS, LINTEL	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	2" (50MM)	2" (50MM)	2" (50MM)

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

COLUMN SCHEDULE

ARCHITECT
AXIS
RAJALASH PATIL SURYA NAGAR
CIVIL ENGINEER
PUNJAB
PUNJAB
PUNJAB

RAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1995661

DATE	REV	NO

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL SOFTWARE														REMARK
BASEMENT TO STILT FLOOR								FIRST TO FOURTH FLOOR						
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION			
31	C31	375 x 1050	22- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1050	22- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
32	C32	450 x 1050	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1050	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
33	C33	375 x 1050	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
34	C34	300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
35	C35	375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			
36	C36	375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
37	C37	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			
38	C38	375 x 900	28- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			
39	C39	450 x 1050	24- #25	8#- 100mm c/c	8#- 150mm c/c			450 x 1050	24- #25	8#- 100mm c/c	8#- 150mm c/c			
40	C40	375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

- GENERAL NOTES:-
- ALL DIMENSION AND LEVEL ARE IN FEET/INCHES AND MM.
 - DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 - ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Lgt	Ldc
M-40	47#	36#

- IES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#@100 c/c UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

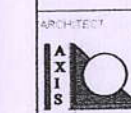
PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1 1/2"(40MM)	3/4"(20MM)
COLUMNS	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
WALLS, FLOOR	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
SLAB & ROOF	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
SLAB OF WATER TANK	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)

MANOJ BISHNOI
Architect
COA No. CA/99/25277

REVISION
R1: 27.06.13

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

QPC TITLE
COLUMN SCHEDULE.



AXIS PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1995661

DATE: 27.06.13
DESIGNED BY: P.K.

BASEMENT TO STILT FLOOR										FIRST TO FOURTH FLOOR				REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION			
41	C41	450 x 1050	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
42	C42	375 x 1255	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1255	18- #25	8#- 100mm c/c	8#- 150mm c/c			
43	C43	375x1280	16- #25	8#- 100mm c/c	8#- 150mm c/c			375x1280	16- #25	8#- 100mm c/c	8#- 150mm c/c			
44	C44	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #25	8#- 100mm c/c	8#- 150mm c/c			
45	C45	450 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	22- #25	8#- 100mm c/c	8#- 150mm c/c			
46	C46	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
47	C47	300 x 900	12- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			
48	C48	450 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
49	C49	450 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			
50	C50	375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES AND MM.
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L _{1d}	L _{2d}
M-40	47#	30#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#-100 c/c UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR- GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PRICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	3/4"(20MM)	3/4"(20MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1/2"(12MM) (EARTH SIDE) 3/4"(20MM) (IN SIDE)
COLUMNS	1"(25MM)	1"(25MM)	1/2"(12MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1/2"(12MM)
WALLS/FLOOR			1/2"(12MM)
SLAB & ROOF			1/2"(12MM)
SLAB OF WATER TANK			ON WATER FACE 1/2"(12MM) (ON BOTH SIDE) WHERE APPLICABLE

MANOJ BISHNOI
Architect
COA No. CA/99/2527

REVISIONS
REV 27.06.19

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR
ALWAR, RAJASTHAN

COLUMN SCHEDULE

ARCHITECT
AXIS
B-AKASH PATHSURI NAGAR (W)
CIVIL LINES JAIPUR
PH: 9141-221005, 9141-221007
E-Mail: axisarchitect@gmail.com

DATE: 27.06.19
DESIGNED BY: PRADEEP
CHECKED BY: PRADEEP

PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1905061

BASEMENT TO STILT FLOOR								FIRST TO FOURTH FLOOR						REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION			
61	C61	450 x 1050	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1050	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
62	C62	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
63	C63	300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
64	C64	375 x 1050	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
65	C65	450 x 1050	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1050	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
66	C66	375 x 1050	22- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 1050	22- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
67	C67	600 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			600 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
68	C68	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR

GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:
CONC. GRADE L₁ L₂
M-40 47# 38#
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED @ 400 c/c UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1/4"(10MM)	2/3"(16MM)	2/3"(16MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1/2"(12MM)	1/2"(12MM)
COLUMNS	1/2"(12MM)	1/2"(12MM)	1/2"(12MM)
BEAMS, LINTOL	1/2"(12MM)	1/2"(12MM)	1/2"(12MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK		2"(50MM)	2"(50MM)

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING COMPLEX AT SURYA NAGAR, ALWAR, RAJASTHAN
RAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1905661

ARCHITECT
AXIS
8-AJALASHI PATHSUKRAJ NAGAR(W)
CIVIL LINES, ALWAR
PIN-0141-2221035, 9620618173
E-Mail: axisharchitect@gmail.com

DATE	REV. NO.	DATE	REV. NO.

- GENERAL NOTES:**
1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:
- | CONC. GRADE | L _{dt} | L _{dc} |
|-------------|-----------------|-----------------|
| M-40 | 47# | 38# |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF #8@C/C UNLESS OTHERWISE MENTIONED.

- CONCRETE DETAILS**
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1/4"(10MM)	3/4"(20MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	-	1 1/2"(40MM) (EARTH SIDE)	3/4"(20MM) (W SIDE)
COLUMNS	-	1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	-	2"(50MM) ON WATER FACE	1 1/2"(40MM) (ON EARTH SIDE) WHERE APPLICABLE

PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1995661

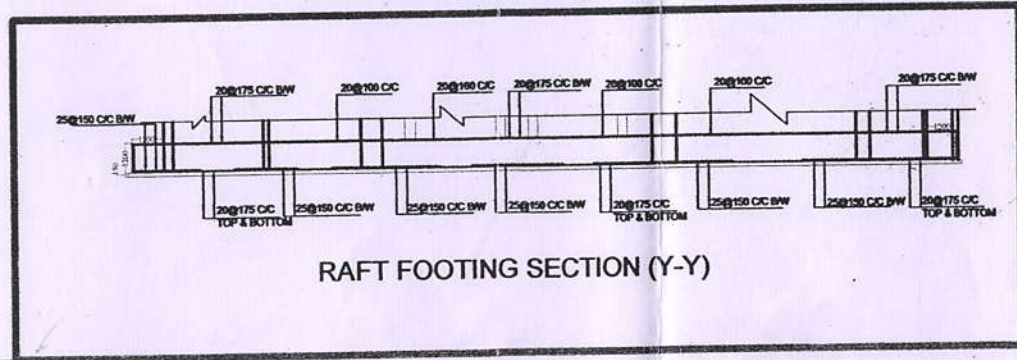
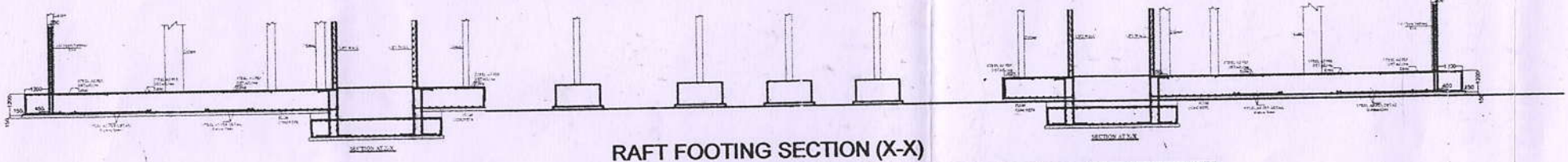
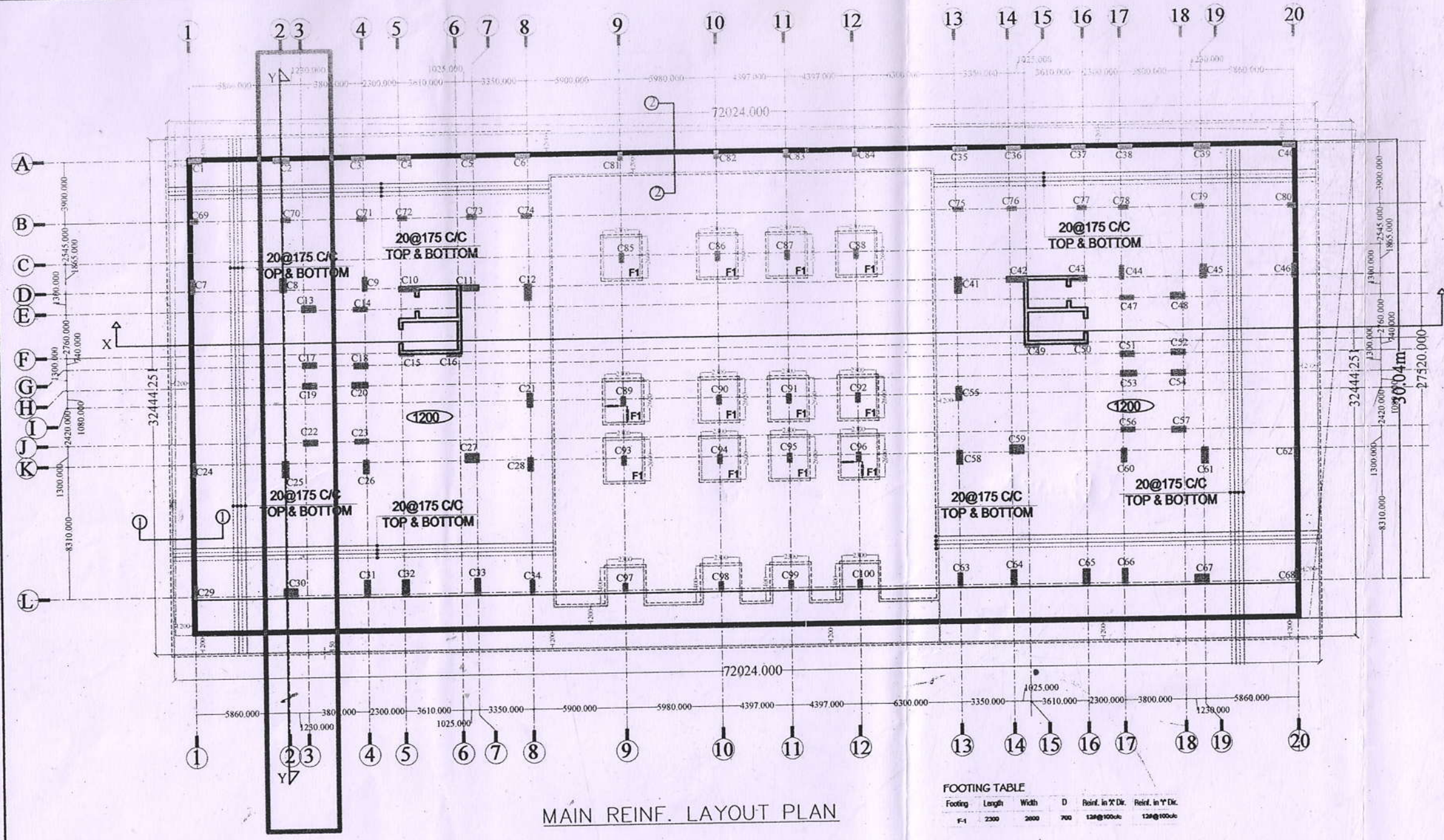
MANOJ BISHNOI
Architect
COA NO. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

RAFT
MAIN REINF. LAYOUT PLAN

AXIS
S. K. ABHIRAM PATIL NAGAR
CIVIL ENGINEER
PL. 614-222185, 96263173
E-Mail: axisarchitects@gmail.com

DATE	REV	BY	CHK
01/01/2024	1	MANOJ BISHNOI	PAWAN KUMAWAT



- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

- REINFORCEMENT DETAILS
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.
- | CONC. GRADE | L ₁ | L ₂ |
|-------------|----------------|----------------|
| M-40 | 47φ | 38φ |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF B₈ @ 150 C/C UNLESS OTHERWISE MENTIONED.

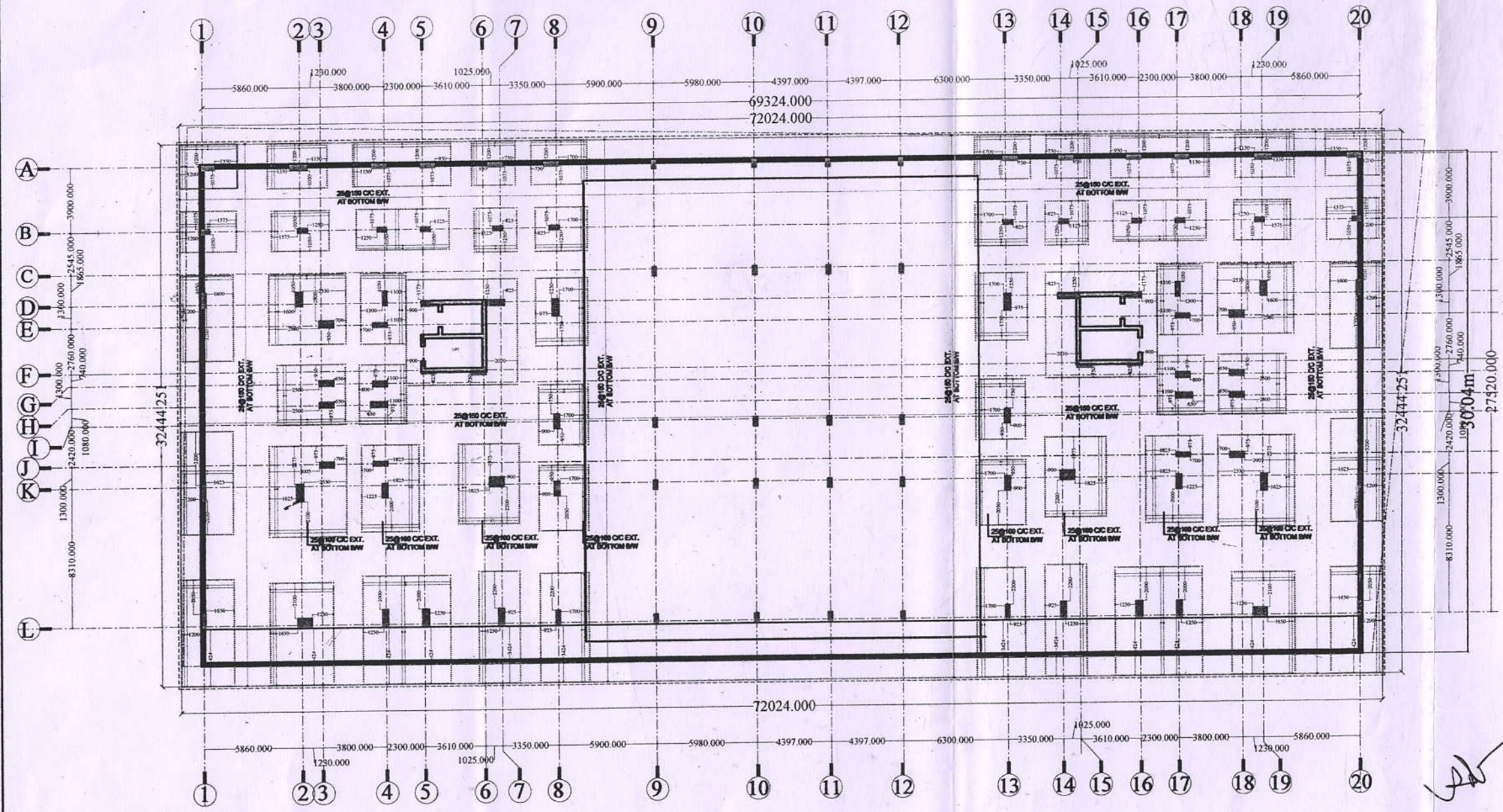
- CONCRETE DETAILS
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1 1/2" (38mm)	2 1/2" (63mm)	2 1/2" (63mm)
FOOTING	2 1/2" (63mm)	2 1/2" (63mm)	2 1/2" (63mm)
RETAINING WALL	1 1/2" (38mm)	1 1/2" (38mm)	1 1/2" (38mm)
COLUMNS	1 1/2" (38mm)	1 1/2" (38mm)	1 1/2" (38mm)
BEAMS, UNITS	1 1/2" (38mm)	1 1/2" (38mm)	1 1/2" (38mm)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	1 1/2" (38mm)	1 1/2" (38mm)	1 1/2" (38mm)

PAWAN KUMAR
ASSOCIATE MEMBER
Indian Institution of Engineers (India)
No. 995661

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED TITLE		
PROPOSED GROUP HOUSING COMPLEX AT SURYA NAGAR, ALWAR, RAJASTHAN		
DRAWN TITLE		
RAFT BOTTOM REIN. LAYOUT PLAN		
ARCHITECT		
AXIS H. K. KALASH PATIL (SUNAR) NAGARWAL CIVIL ENGINEER PUNJAB, INDIA TEL: 91-11-2221031, 92505073 E-MAIL: axisarchitects@gmail.com		
DATE	REV. NO.	DRW. NO.
10.04.23		01/RAFT
SCALE	DESIGNED BY	



BOTTOM REIN. LAYOUT PLAN

- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

- REINFORCEMENT DETAILS
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.
- | CONC. GRADE | Ld | Ldc |
|-------------|-----|-----|
| M-40 | 47d | 38d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8mm C/C UNLESS OTHERWISE MENTIONED.

- CONCRETE DETAILS
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SOIL
SLAB	3/4"(19MM)	3/4"(19MM)	3/4"(19MM)
FOOTING	2"(50MM)	2"(50MM)	3/4"(19MM)
RETAINING WALL		1"(25MM)	3/4"(19MM)
COLUMNS		1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR		1"(25MM)	1"(25MM)
SLAB & ROOF		1 1/2"(40MM)	1 1/2"(40MM)
SLAB OF WATER TANK		1 1/2"(40MM)	1 1/2"(40MM)

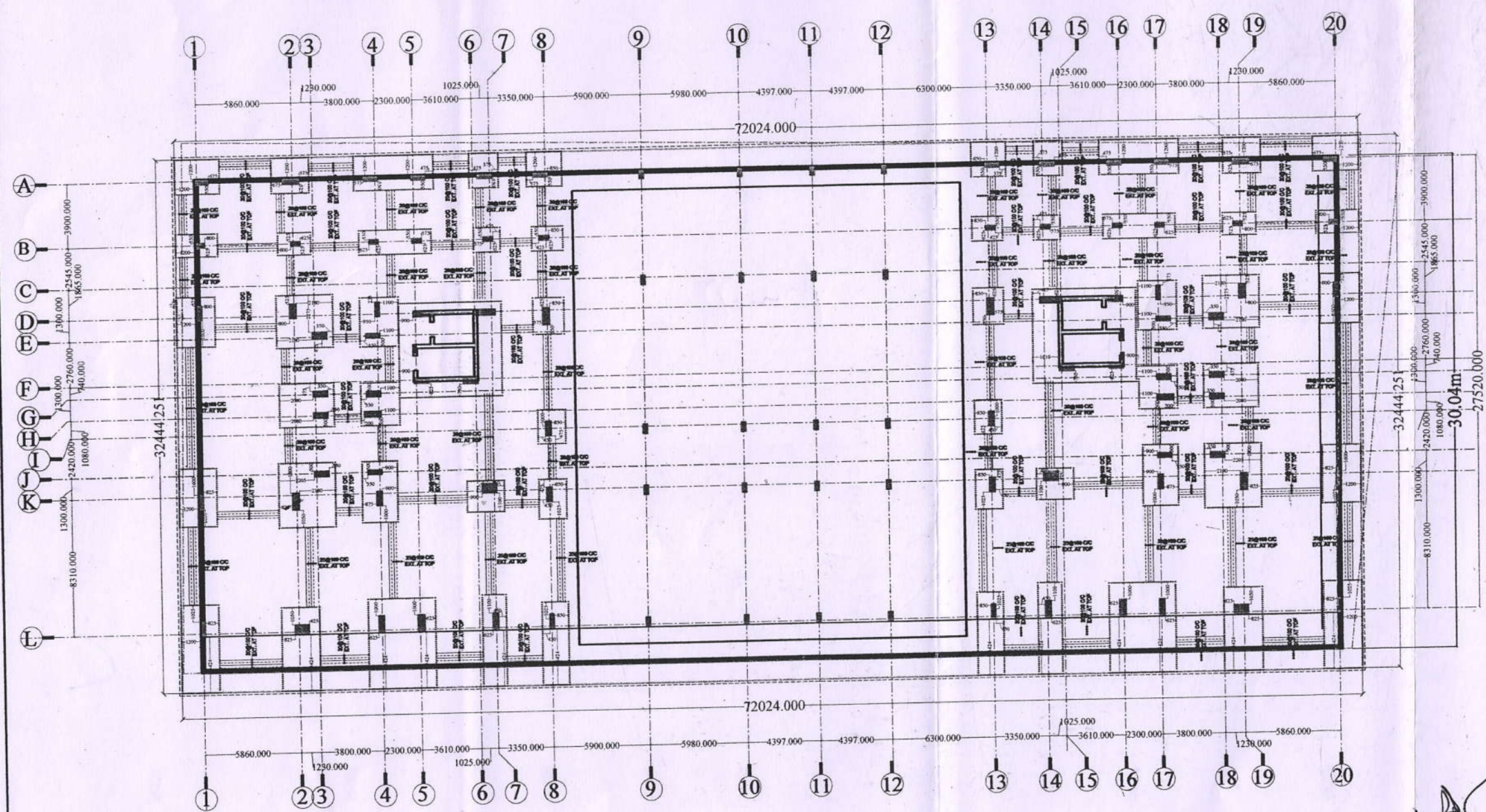
MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

RAFT
TOP REINF. LAYOUT PLAN

ARCHITECT
AXIS
#AJLAJASHI PATELSURAJ NAGAR(W)
CIVIL ENGINEER
P. 0141-2221035, 9829054173
E-Mail: axisarchitects@gmail.com

DATE	REVISION	DESIGNED BY
12/01/20		9/2/2020
DATE	REVISION	DESIGNED BY



TOP REINF. LAYOUT PLAN

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

BASEMENT TO STILT FLOOR													FIRST TO FOURTH FLOOR													REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS													
				END REGION	MID REGION					END REGION	MID REGION															
51	CS1	375x900	18-#25	8#-100mm c/c	8#-150mm c/c			300x750	10-#25	8#-100mm c/c	8#-150mm c/c															
52	CS2	375x900	24-#25	8#-100mm c/c	8#-150mm c/c			300x900	14-#25	8#-100mm c/c	8#-150mm c/c															
53	CS3	375x1050	26-#25	8#-100mm c/c	8#-150mm c/c			300x900	14-#25	8#-100mm c/c	8#-150mm c/c															
54	CS4	375x900	20-#25	8#-100mm c/c	8#-150mm c/c			300x900	14-#25	8#-100mm c/c	8#-150mm c/c															
55	CS5	375x900	14-#25	8#-100mm c/c	8#-150mm c/c			300x900	14-#25	8#-100mm c/c	8#-150mm c/c			END AT FIFTEENTH FLOOR												
56	CS6	300x900	18-#25	8#-100mm c/c	8#-150mm c/c			300x900	12-#25	8#-100mm c/c	8#-150mm c/c															
57	CS7	375x900	22-#25	8#-100mm c/c	8#-150mm c/c			300x900	12-#25	8#-100mm c/c	8#-150mm c/c															
58	CS8	375x900	14-#25	8#-100mm c/c	8#-150mm c/c			375x900	12-#25	8#-100mm c/c	8#-150mm c/c			END AT FIFTEENTH FLOOR												
59	CS9	600x900	30-#25	8#-100mm c/c	8#-150mm c/c			450x900	26-#25	8#-100mm c/c	8#-150mm c/c			END AT FIFTEENTH FLOOR												
60	CS60	375x900	28-#25	8#-100mm c/c	8#-150mm c/c			375x900	24-#25	8#-100mm c/c	8#-150mm c/c			END AT FIFTEENTH FLOOR												

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CONCRETE. WORKER UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.
- | CONC. GRADE | L ₁ | L ₂ |
|-------------|----------------|----------------|
| M-40 | 47# | 38# |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#@5'C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1/4"(10MM)	2/3"(19MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	1/2"(12MM)	1/2"(12MM)	1/2"(12MM)
COLUMNS	1/2"(12MM)	1/2"(12MM)	1/2"(12MM)
BEAMS, LINTEL	1/2"(12MM)	1/2"(12MM)	1/2"(12MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	2"(50MM)	2"(50MM)	2"(50MM)

MANOJ BISHNOI
Architect
COA No. CA/99/25277

REVISIONS
BY: 07/06/12

PROJ. NO. 1012

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

DRW. TITLE
COLUMN SCHEDULE

ARCHITECT



AXIS

B-A. KAILASH PATIL SURAJ NAGAR(W)
CIVIL ENGINEER
P.L. 041-221155, 98098775
E-Mail: axisarchitect@gmail.com

DATE	REV. NO.	DATE

230

16mm @ 200mm C/C
(UP TO 2000)

600

2000

16mm @ 100mm C/C

12mm @ 150mm C/C

1200

1200

150

450

450

RAFT

RAFT

**R.C.C WALL SECTION
AT (1-1)**

230

16mm@200mm C/C
(UP TO 2000)

600

2000

16mm@100mm C/C

12mm@150mm C/C

16@150 C/C
BOTHWAYS

1200

1200

150

150

16@150 C/C

COLUMN TYPE	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	C-14
SIZE	300X600	300X600	300X600	300X600	300X900	300X900	300X900	375X900	375X900	375X900	375X900	375X900	375X900	375X900
REINFORCEMENT	8-# 16	8-#20	6-# 25 2-# 20	8-# 25	12-# 25	18-# 25	10-# 25	14-# 25	16-#25	18-#25	20-#25	22-# 25	24-# 25	28-# 25
STIRRUPS	END REGION #8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C
	MID SPAN #8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C
COLUMN NUMBER	C-69,70,71,72,73, 74,75,76,77,78, 79,80,81,82,83,84,	C-85,86,87,88,91,93, 94,95,97,98,100	C-89,90,96	C-92	C-14,47	C-9,23,24,29, 44,56,62,68	C-34,63	C-15,21,28,50,55,58	C-6,35	C-1,5,18, 36,40,51	C-4,7,19,37,46,54	C-22,57	C-17,52	C-3,26,38,60
SECTION														

COLUMN TYPE	C-15	C-16	C-17	C-18	C-19	C-20	C-21	C-22	C-23	C-24	C-25	C-26
SIZE	450X900	450X900	450X900	600X900	600X900	375X1050	375X1050	375X1050	450X1050	450X1050	375X1280	375X1255
REINFORCEMENT	20- # 25	26- # 25	28- # 25	20- # 25	30- # 25	18- # 25	22- # 25	28- # 25	24- # 25	20- # 25	16- # 25	18- # 25
STIRRUPS	END REGION #8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C	#8@100C/C
	MID SPAN #8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C	#8@150C/C
COLUMN NUMBER	C-16,49	C-8,45	C-13,48	C-30,67	C-27,59	C-33,64	C-31,66	C-20,53	C-2,12,32,39,41,65\	C-25,61	C-10,43	C-11,42
SECTION												

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM^2 CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8@8" C/C UNLESS OTHERWISE MENTIONED.

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	THICKNESS
SLAB	3/4" (20MM)	2 3/8" (15MM)	2" (50MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL		1" (25MM)	1" (25MM)
COLUMNS		1 1/2" (40MM)	1 1/2" (40MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS, FLOOR		1/2" (12MM)	1/2" (12MM)
SLAB & ROOF		1/2" (12MM)	1/2" (12MM)
SLAB OF WATER TANK		1/2" (12MM)	1/2" (12MM)

MANOJ BISHNOI
Architect
COA No. CA/99/2527

576-583 (2004)

2018	2019
2020	2021

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

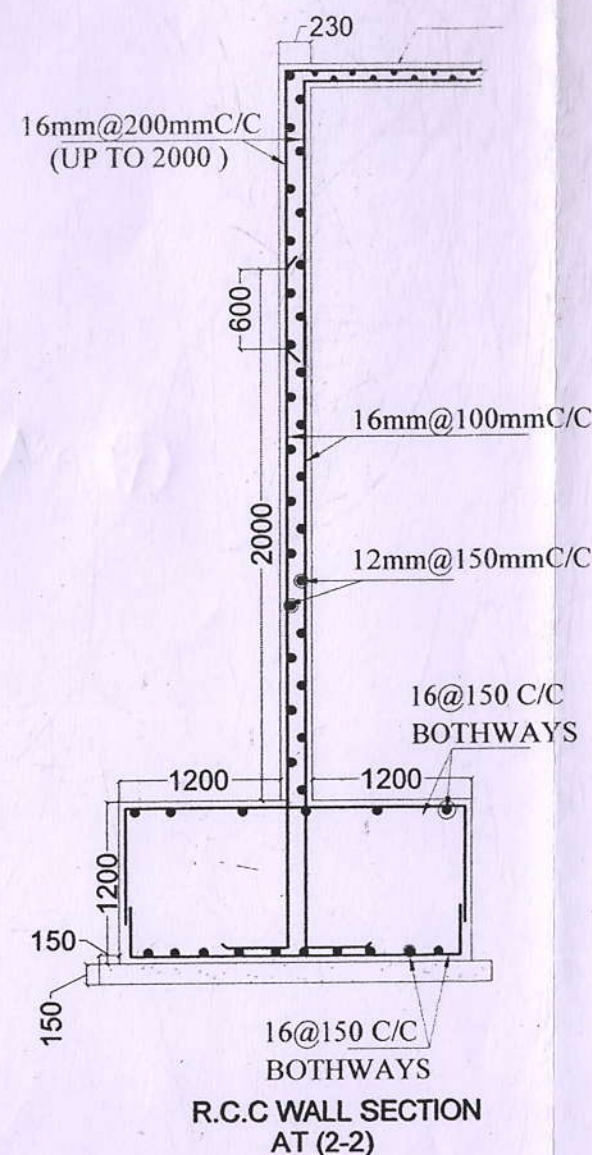
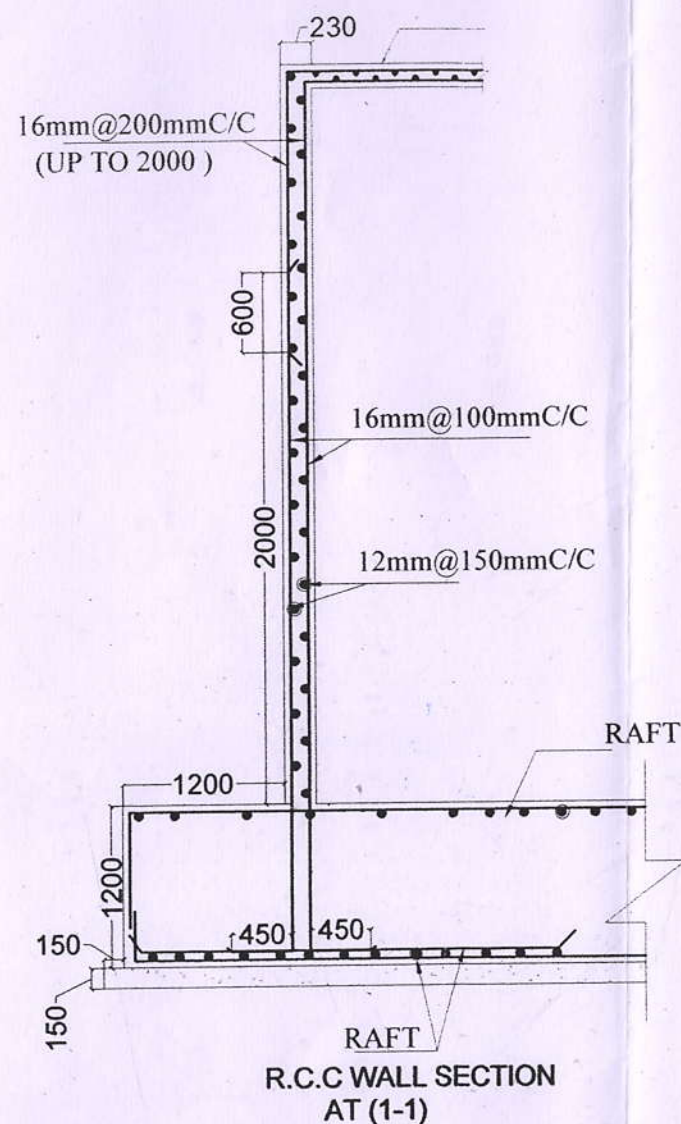
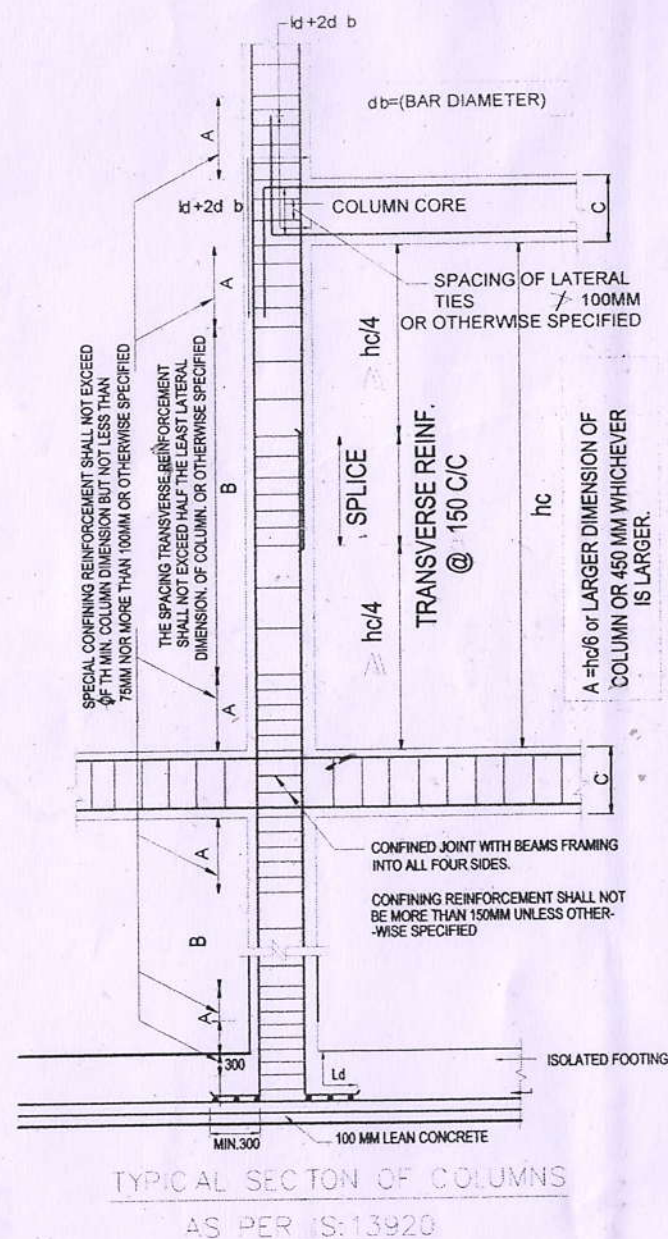
ORG. TITLE
COLUMN SCHEDULE,
COLUMN SECTION (TYP
& R.C. WALL SECTION

ARCHITECT **AXIS**

A X I S

B-A KAILASH PATHI SURAJ NAGAR (W)
CIVIL LINES, JAIPUR
PH. 0141-2221035, 9829058373
E-Mail: axis@chicocallindiaffsai.com

DATE	REV NO	ORG NO
10/1/00		1000000000
10/1/00		1000000000



GENERAL NOTES:—

1. ALL DIMENSIONS AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

IN ARCHITECTURAL DRAWING,
REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Ldt	Ldc
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF $\phi 8$ C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PAWAN KUMAR
ASSOCIATE MEMBER
Institution of Engineers (India)
AM10096601

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(19MM)	
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1 1/2"(40MM) (EARTH SIDE) 3/4"(20MM) (IN SIDE)
COLUMNS			1 1/2"(40MM)
BEAMS, LINTOL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK.			1"(25MM) (ON WATER FACE) 1 1/2"(40MM) (ON EARTH SIDE) AND FOUR

MANOJ BISHNOI
Architect
COA No. CA/99/25277
REVISIONS

R1 27.08 13

102

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

DRG TITLE

TYP. DETAIL OF COLUMN
& R.C.C WALL SECTION

ARCHITECT

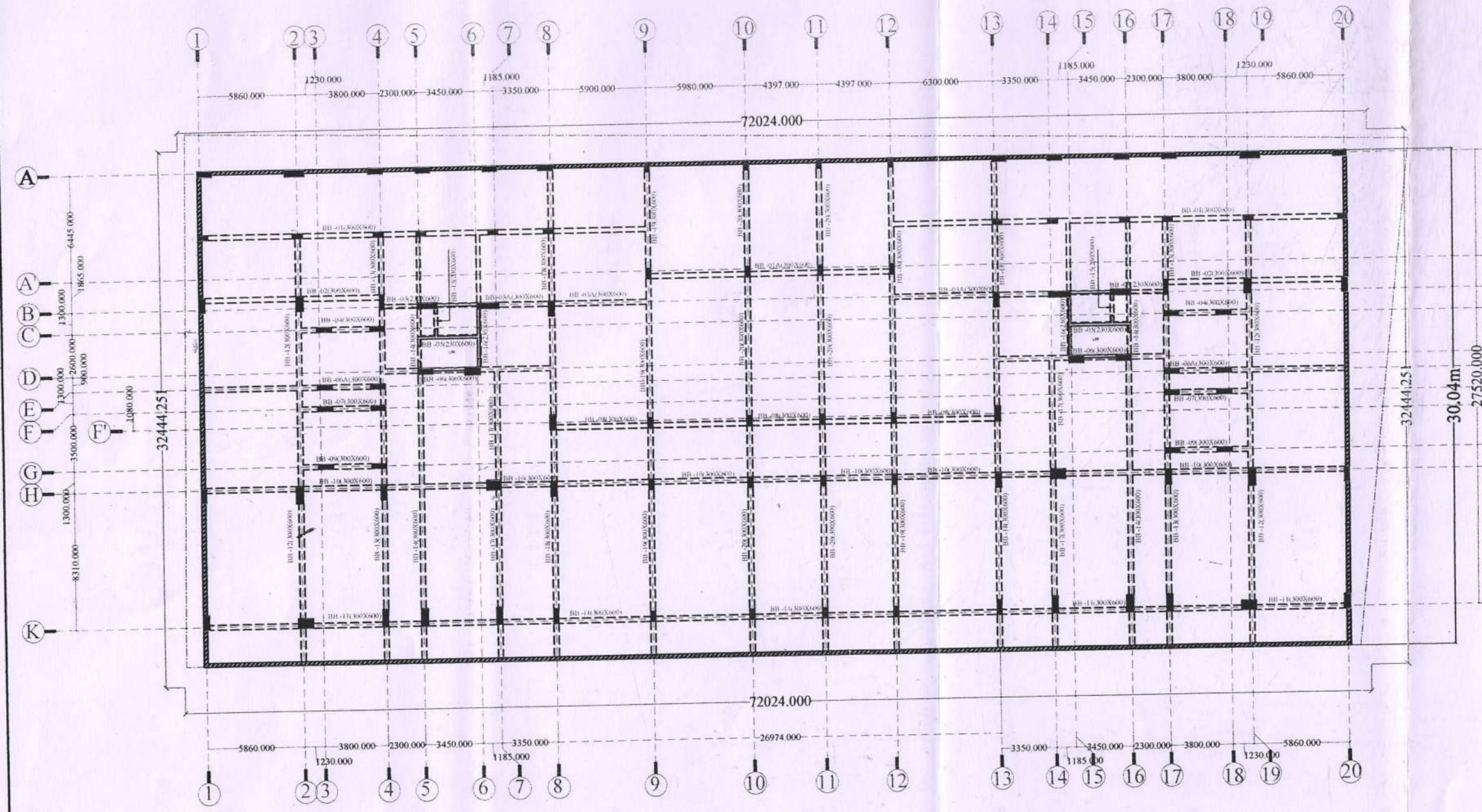
AXIS



S-A. KAILASH PATH, SURAJ NAGAR(W)
CTVIL LINES, JAIPUR
PIN 30141-2221055, 9829058373
E-Mail-axiarchitects@rediffmail.com

DATE 31.05.13	REV. NO.	DRG. NO. STRT 4411
Dwg. No.		DESIGNED BY

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

- REINFORCEMENT DETAILS
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:

CONC. GRADE	Lgt	Ldc
M-40	47d	38d

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED @ 800 C/C UNLESS OTHERWISE MENTIONED.

- CONCRETE DETAILS
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	BEARING
SLAB	1 1/2" (38MM)	2 1/4" (58MM)	2 1/4" (58MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL	1" (25MM)	1 1/2" (38MM)	1 1/2" (38MM)
COLUMNS	1" (25MM)	1" (25MM)	1 1/2" (38MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS, FLOOR	1" (25MM)	1" (25MM)	1" (25MM)
SLAB & ROOF	1 1/2" (38MM)	1 1/2" (38MM)	1 1/2" (38MM)
SLAB OF WATER TANK	1 1/2" (38MM)	1 1/2" (38MM)	1 1/2" (38MM)

Manoj
MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

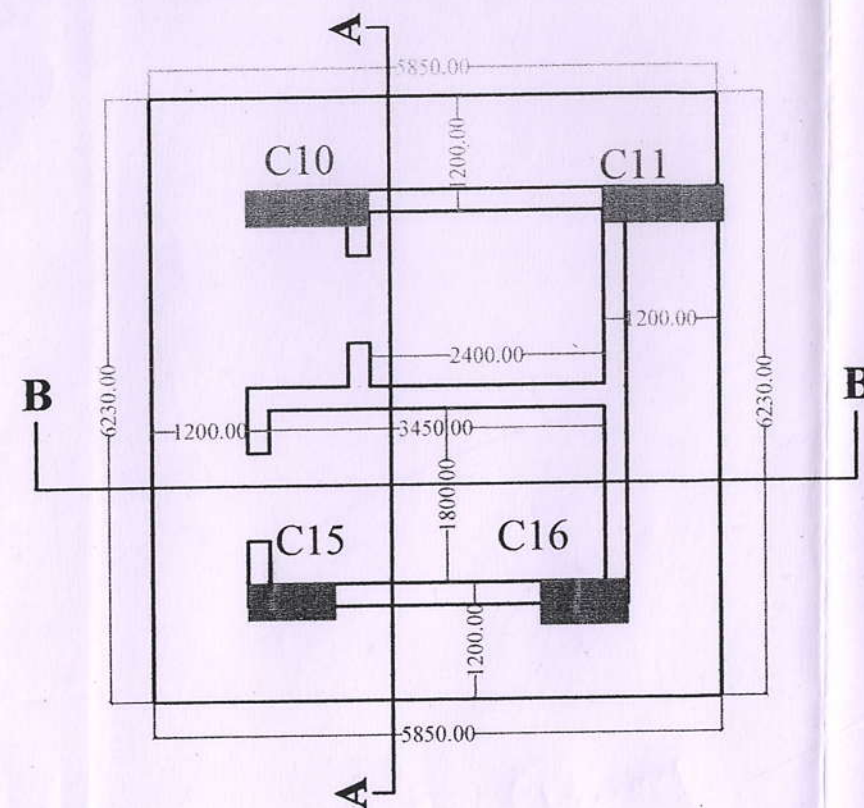
BASEMENT
BEAM PLAN

ARCHITECT
AXIS
S-AJAYASHI PATIL SURAJ NAGAR (W)
CIVIL LINES JAPUR
PH. 0141-2221815, 9826343773
E-Mail: axisarchitects@gmail.com

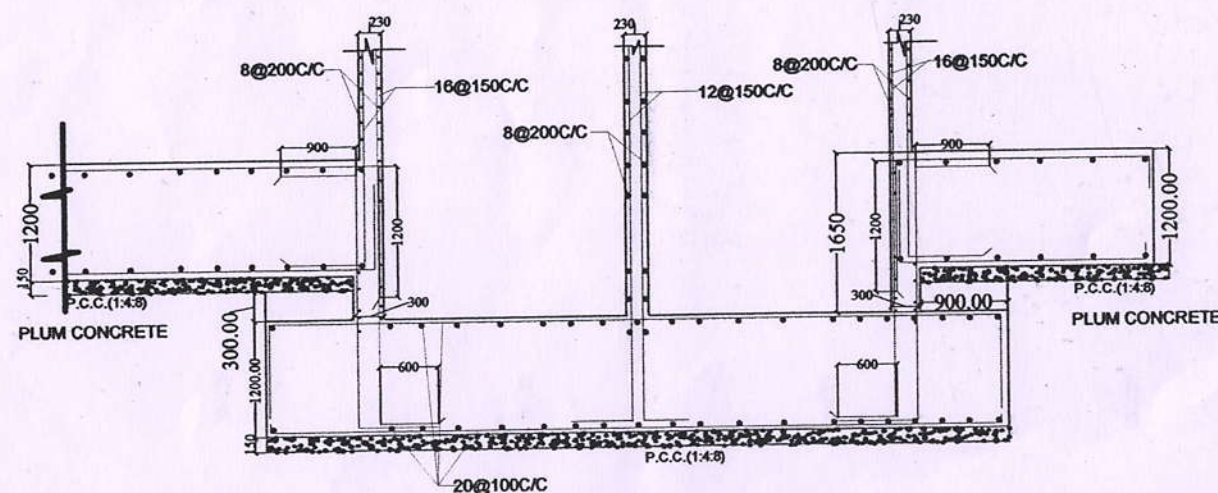
DATE	REV. NO.	REV. BY

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

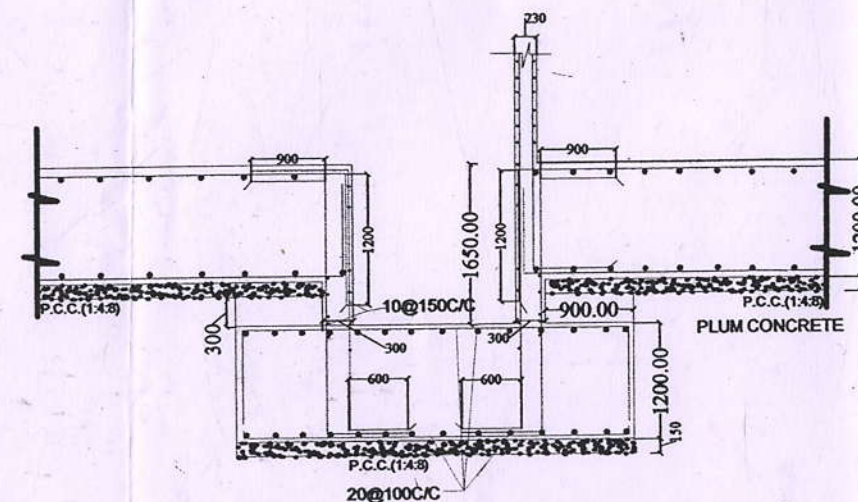
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



LIFT PLAN



SEC AT A-A



SEC AT B-B

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Φ WITH CHARACTERISTIC STRENGTH 415 N/MM CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Ldt	Ldc
M-40	47 Φ	38 Φ

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF $\Phi 8$ C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PRTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM.)	2/3"(15MM.)	2/3"(15MM.)
FOOTING	2"(50MM.)	2"(50MM.)	2"(50MM.)
RETAINING WALL		1"(25MM.)	1 1/2"(40MM.) (EARTH SIDE) 3/4"(20MM.) (IN SIDE)
COLUMNS			1 1/2"(40MM.)
BEAMS, UNTEL	1"(25MM.)	1"(25MM.)	1"(25MM.)
WALLS, FLOOR SLAB & ROOF			1"(25MM.)
SLAB OF WATER TANK			ON WATER FACE 1 1/2"(40MM.) (ON EARTH SIDE) WHERE APPLICABLE

REF. DRG.

PROJECT TITLE

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

DRG. TITLE

LIFT FOOTIG DETAIL

ARCHITECT

AXIS



8-A, KAILASH PATH, SURAJ NAGAR(W)
CIVIL LINES, JAIPUR
PH. 0141-2221035, 9829058373
E-Mail: axisarchitects@rediffmail.com

DATE

16.04.13

REV. NO.

DRG. NO.

STR/RT.05

CAD. DEV.

DESIGNED BY

MANOJ BISHNOI
Architect
COA No: CA/99/25277

- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
 2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Ldt	Ldc
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF $\phi 8 @ 8" C/C$ UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

Pennsylvania

TOP	SIZES
3" (15MM)	2" (50MM)
(50MM)	2" (50MM)
(25MM)	1" (25MM)
	(EARTH ROD)

PAWAN KUMAR
ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM 1005661

PARTICULAR	BOTTOM	TOP	SIDES
	3/4"(20MM)	2/3"(15MM)	ASS
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
SLAB			1" (25MM) (EARTH SIDE)
RETAINING WALL		1"(25MM)	3/4"(20MM) (IN SIDE)
COLUMNS			1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER			1 1/2"(40MM) ON BOTH SIDES WHERE APPLICABLE

TAX

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
AIWAR, RAJASTHAN

BASEMENT BEAM DETAIL

AXIS

AXIS

S-A, KALASH PATH, SURAJ NAGAR (W)
CIVIL LINES, JAIPUR.
PH. 0141-2221035, 9829658373
E-Mail: aximereckitects@gmail.com

DATE:	
TIME:	

DATE	DATE REC

100

--	--

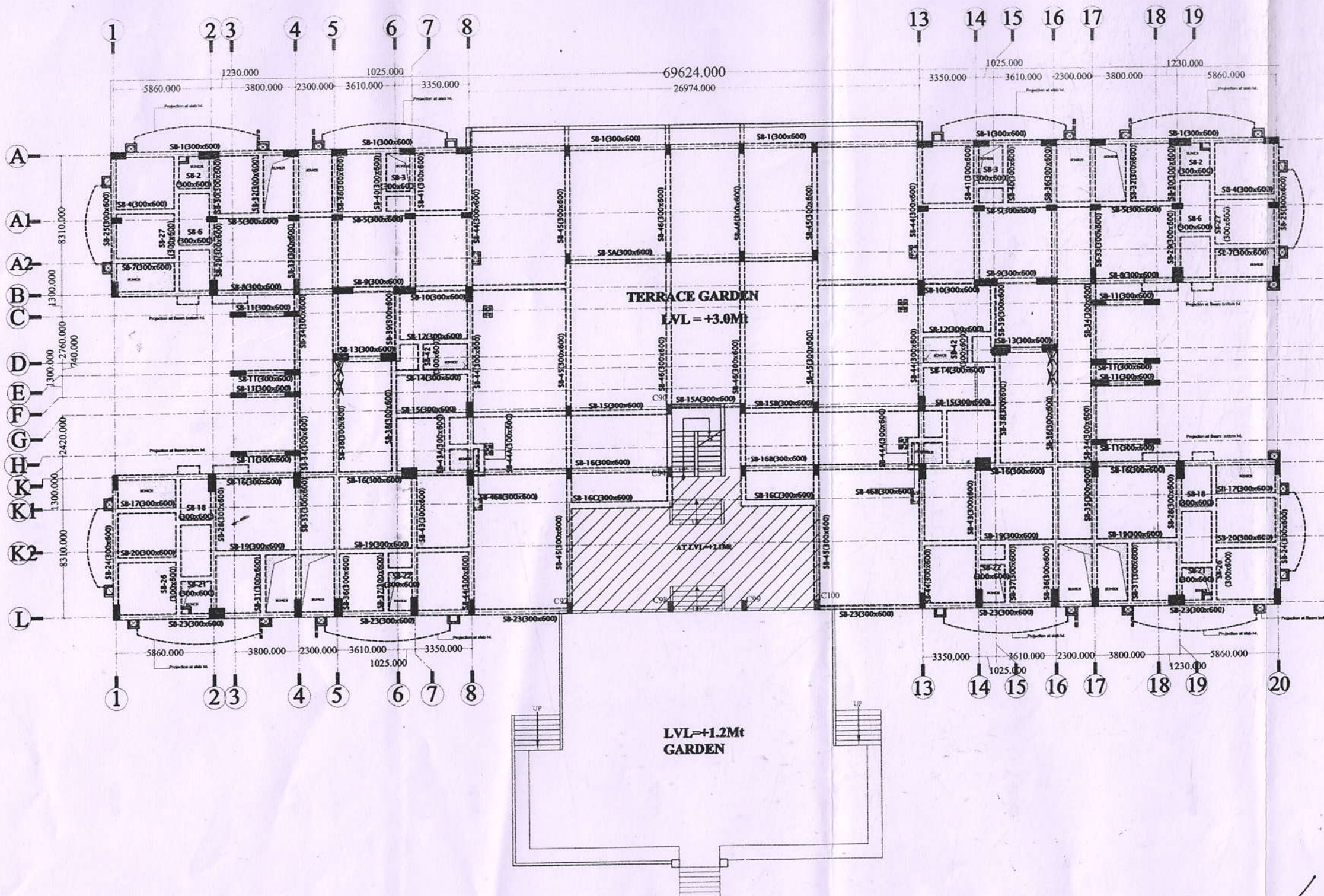
10

A = #8@100C,C
3 = #8@150C,C

PRODUCED BY AN AUTOMATED EDUCATIONAL PRODUCT

PRODUCT BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
- ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 - LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 - LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 - LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.
- | L ₁ | L ₂ |
|----------------|----------------|
| 47d | 38d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED @ 400mm C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	3/4"(20MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	1"(25MM)	1"(25MM)	1/2"(12MM) (EARTH SIDE) 3/4"(20MM) (IN SOIL)
COLUMNS	1"(25MM)	1"(25MM)	1/2"(12MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	1/2"(12MM)	1/2"(12MM)	1/2"(12MM) (ON EARTH SIDE) WHERE APPLICABLE

GRADING OF CONCRETE & STEEL SHALL BE :-

PARTICULAR	CONCRETE GRADE	STEEL GRADE
SLAB	M30	F450
FOOTING	M40	F450
RETAINING WALL	M30	F450
COLUMNS	M40	F450
BEAMS, LINTEL	M30	F450

M. Manoj
MANOJ BISHNOI
 Architect
 HOA No. CA/99/25277

PROJECT NO. 1
 PROPOSED GROUP HOUSING COMPLEX AT SURYA NAGAR, ALWAR, RAJASTHAN

DRG TITLE
 STILT FLOOR BEAM PLAN

ARCHITECT
AXIS
 8-A KAILASH PATIL SURAJ NAGAR (W)
 CIVIL LINESIA PUR
 PH. 0141-2221005, 9829058373
 E-Mail: axisarchitects@gmail.com

Pawan

PAWAN KUMAWAT
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM10050061

- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSIONS ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Dev	Ldc
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8mm@C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1/2"(12MM) (EARTH SIDE) 3/4"(20MM) (IN SOIL)
COLUMNS		1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK		1"(25MM) ON WATER FACE 1/2"(12MM) (ON EARTH SIDE) WHERE APPLICABLE	

Manoj
MANOJ BISHNOI
Architect
C.A. No. 25277

DAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AI-1995001

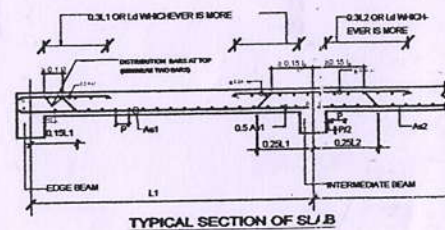
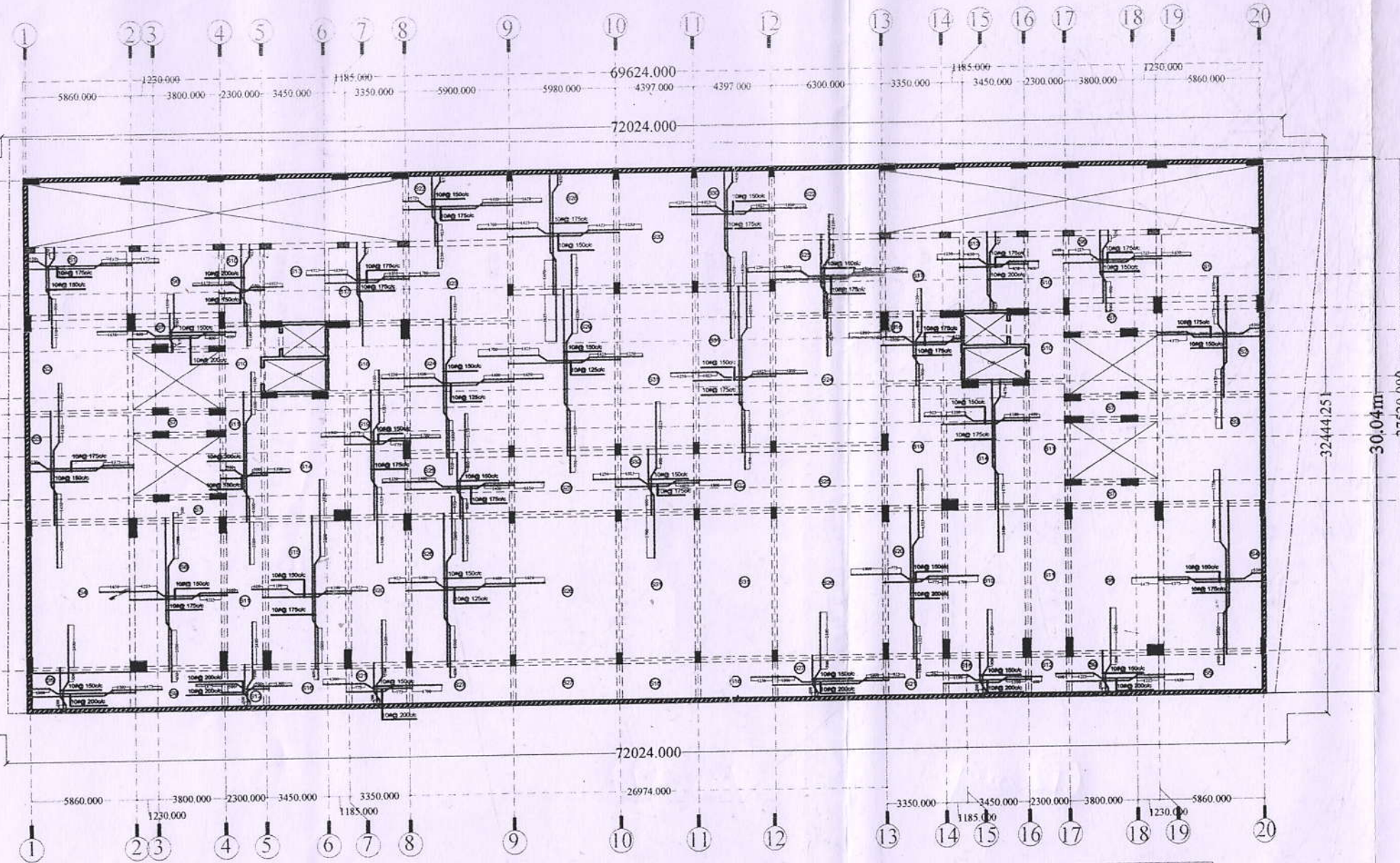
BASEMENT
SLAB REINF.



AXIS

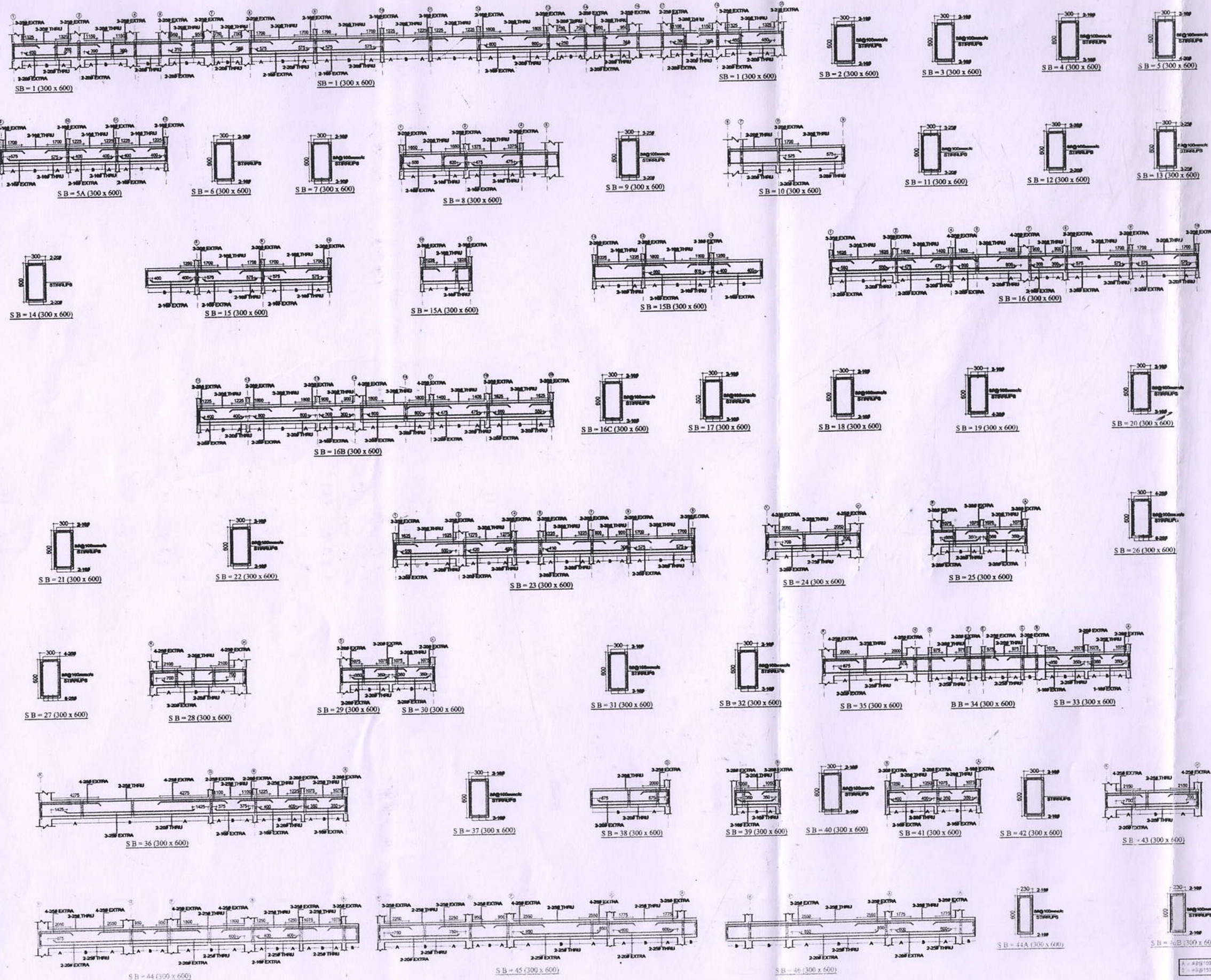
AJAY K. PATIL SURAJ NAGAR
CIVIL ENGINEER
PRA. 014-2221805, 9820930773
E-Mail: axisarchitects@gmail.com

DATE	REV	BY



TOP BOTTOM TOP

NOTE:-
1. Reinforcement for Basement Slab shall be provided as per detail shown in this drawing.
2. Reinforcement for Basement Slab shall be provided as per detail shown in this drawing.



3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN
OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW
SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN
CEMENT MORTAR UNLESS OTHERWISE SHOWN
IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.
- | L _{db} | L _{dc} |
|-----------------|-----------------|
| 47d | 35d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF ~~500~~ 600 C/C UNLESS OTHERWISE MENTIONED.

Ldt	Ldc
470	380

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE $3/4"$ UNLESS OTHERWISE SPECIFIED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	3/8"(10MM)	
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1 1/2"(40MM) (EARTH SIDE) 3/4"(20MM) (W SIDE)
COLUMNS			1 1/2"(40MM)
BEAMS, LINTEL	2"(50MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK.			2"(50MM) ON WATER FACE 1 1/2"(40MM) (ON EARTH SIDE) WHERE APPLICABLE

GRADING OF CONCRETE &
STEEL SHALL BE :-

PARTICULAR	CONCRETE GRADE	STEEL GRADE
SLAB	M30	F400
FOOTING	M40	F400
RETAINING WALL	M30	F400
COLUMNS	M40	F400
BEAMS, LINT.	M30	F400

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

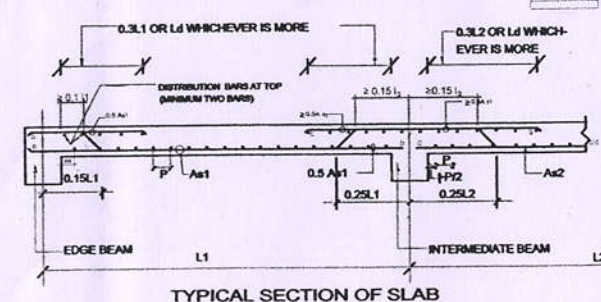
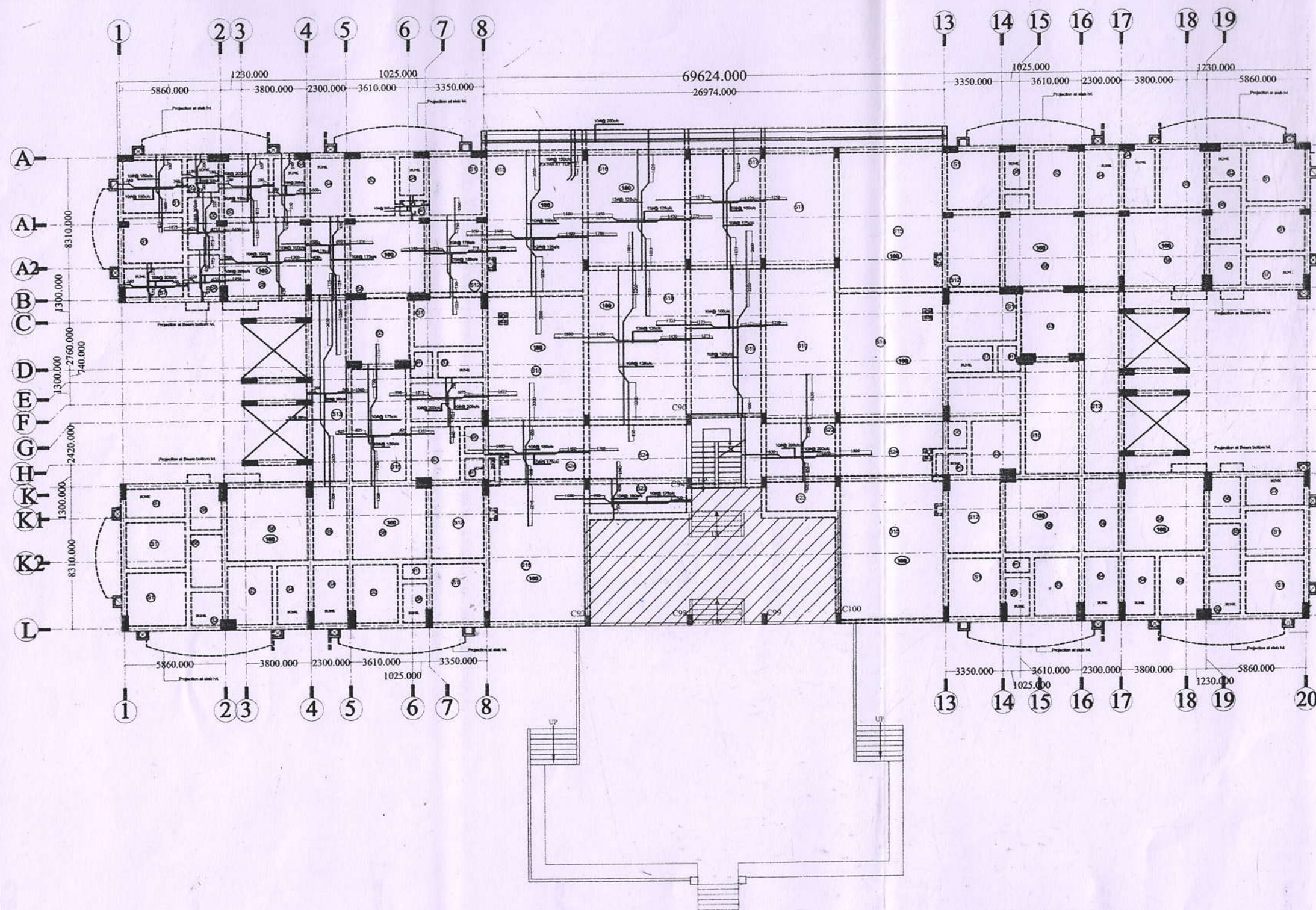
STILT FLOOR
BEAM DETAIL

AXIS

Dr. KAILASH PATEL, RAJ NAGAR (W)
CIVIL LINES, JAIPUR
Ph: 0141-2221035, 9829038173
E-Mail: archsarchitect@rediffmail.com

24

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



NOTE: a - Denotes the Reinforcement Along Shorter Span
b - Denotes the Reinforcement Along Longer Span

NOTE: At discontinuous edge of slab extra reinforcement 8@200c/c shall be provided unless otherwise specified at top

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:

Lap	L _d
47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8@100c/c UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1 1/2" (38MM)	2 1/2" (63MM)	2 1/2" (63MM)
FOOTING	2 1/2" (63MM)	2 1/2" (63MM)	2 1/2" (63MM)
RETAINING WALL	1 1/2" (38MM)	1 1/2" (38MM)	1 1/2" (38MM)
COLUMNS	1 1/2" (38MM)	1 1/2" (38MM)	1 1/2" (38MM)
BEAMS, LINTEL	1 1/2" (38MM)	1 1/2" (38MM)	1 1/2" (38MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	1 1/2" (38MM)	1 1/2" (38MM)	1 1/2" (38MM)

GRADING OF CONCRETE & STEEL SHALL BE :-

PARTICULAR	CONCRETE GRADE	STEEL GRADE
SLAB	M30	F400
FOOTING	M40	F400
RETAINING WALL	M30	F400
COLUMNS	M40	F400
BEAMS, LINTEL	M30	F400

PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1905081

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

STILT FLOOR
SLAB REINF.



AXIS

M. KAILASH PATHSURA NAGAR
CIVIL ENGINEER
PH. 0141-2251515, 9870558173
E-Mail: axisarchitects@gmail.com

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:
- | Ld | Ldc |
|-----|-----|
| 47d | 36d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF #8@C/C UNLESS OTHERWISE MENTIONED.

- CONCRETE DETAILS**
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PRICULAR	BOTTOM	TOP	SIDES
SLAB	5/4"(15MM)	2/3"(15MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1 1/2"(40MM) (EARTH SIDE) 3/4"(20MM) (W SIDE)
COLUMNS		1"(25MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK			2" W/ WATER FACE 1 1/2"(40MM) (ON EXTH SIDE) WHERE APPLICABLE

GRADING OF CONCRETE & STEEL SHALL BE :-

PRICULAR	CONCRETE GRADE	STEEL GRADE
SLAB	M30	F450
FOOTING	M40	F450
RETAINING WALL	M30	F450
COLUMNS	M40	F450
BEAMS, LINTEL	M30	F450

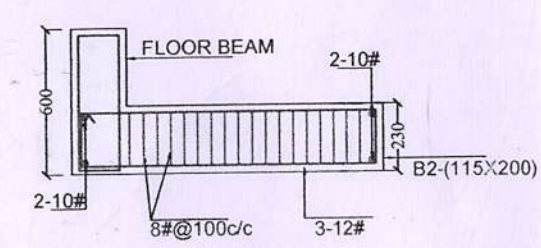
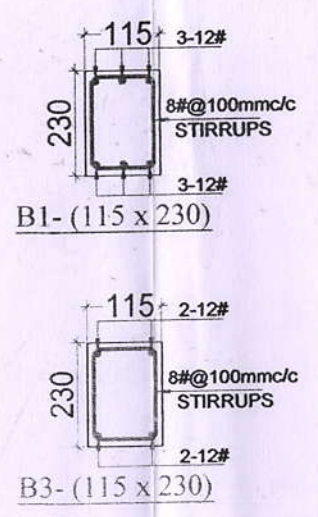
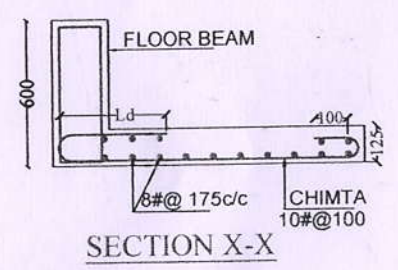
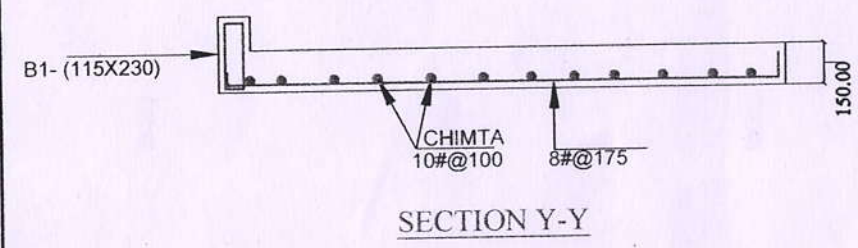
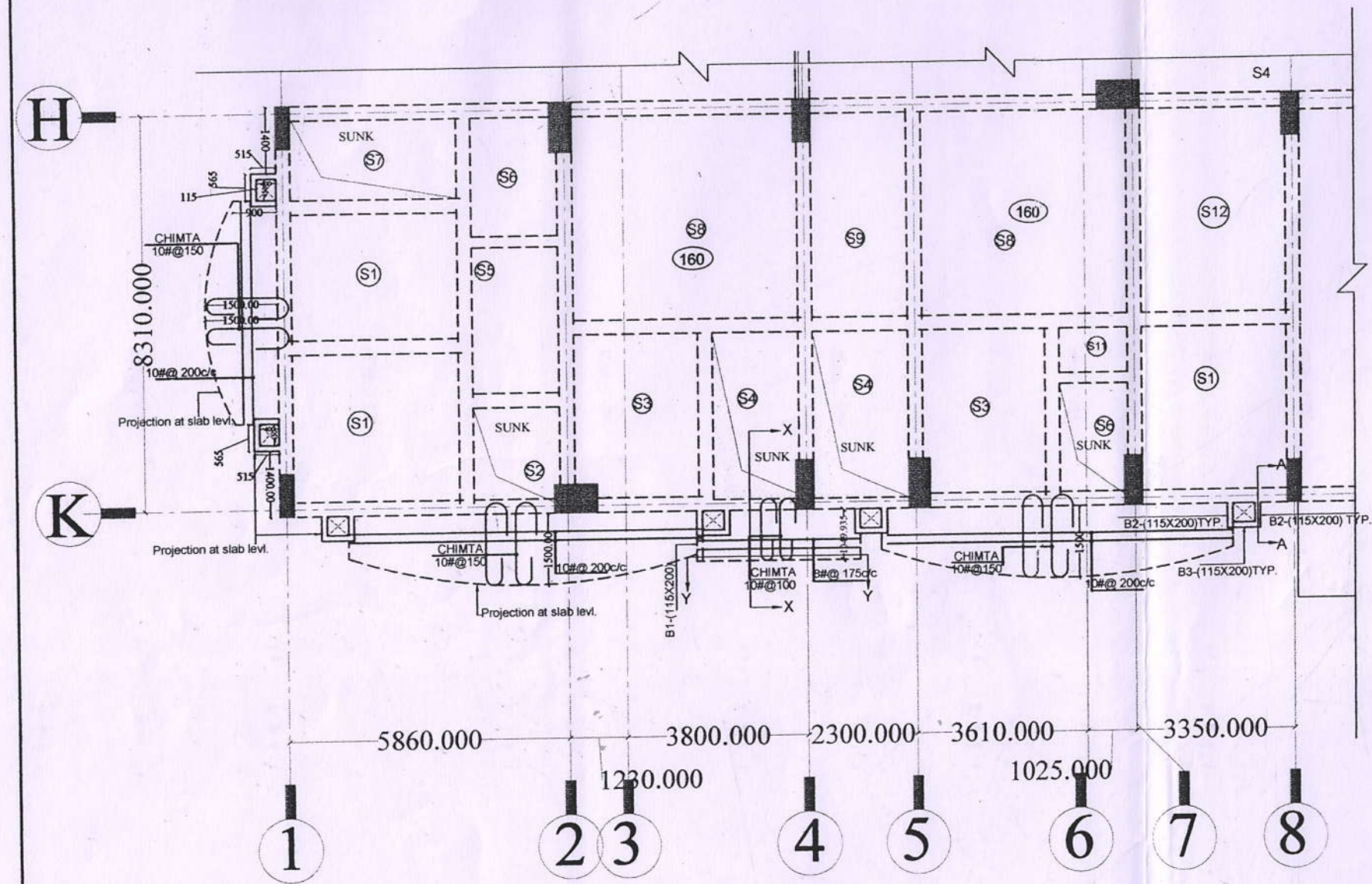
Pawan
PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1995061

Manoj
MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

STILT FLOOR
PROJECTION DETAIL (TYP.)

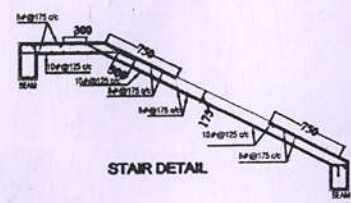
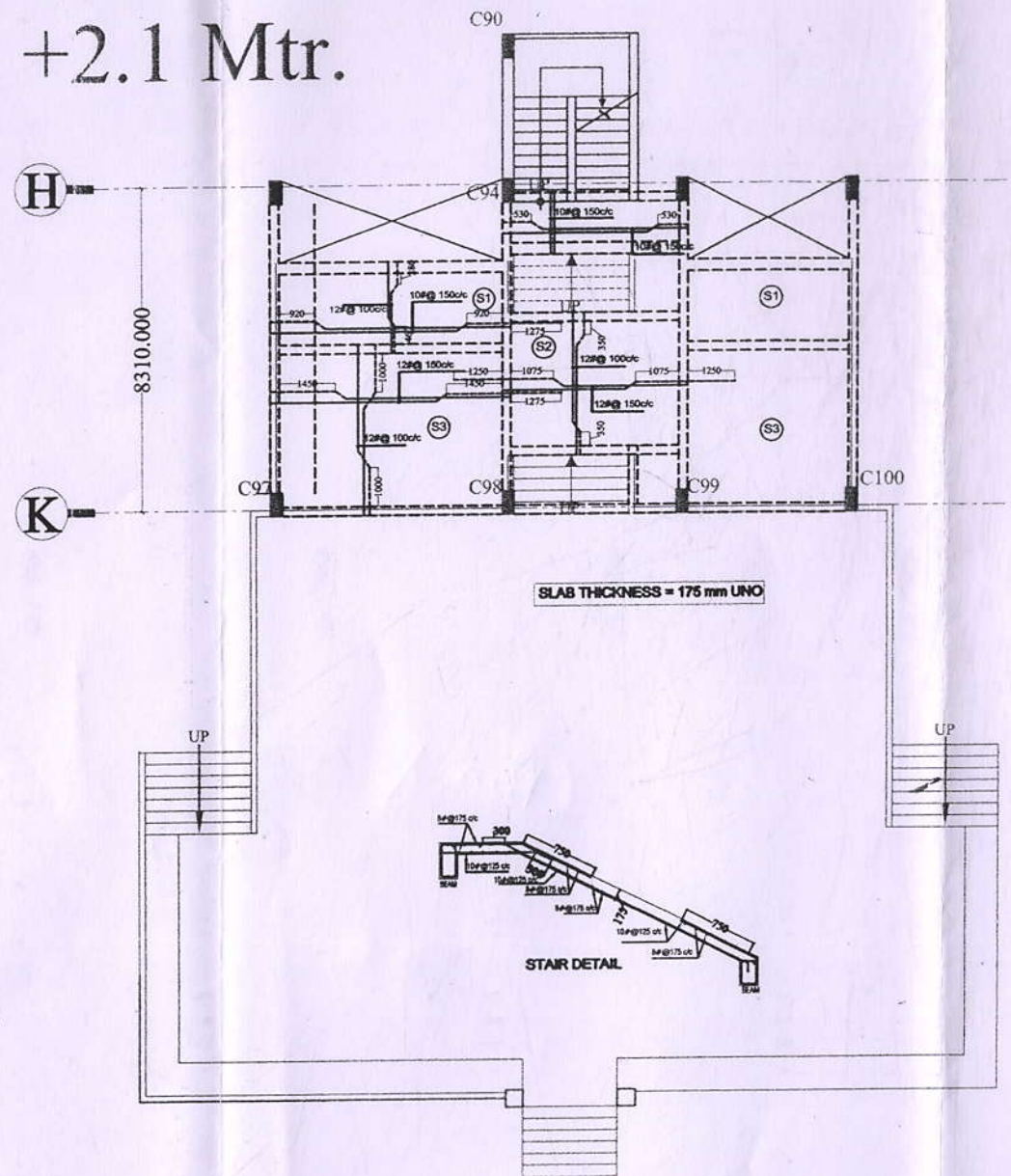
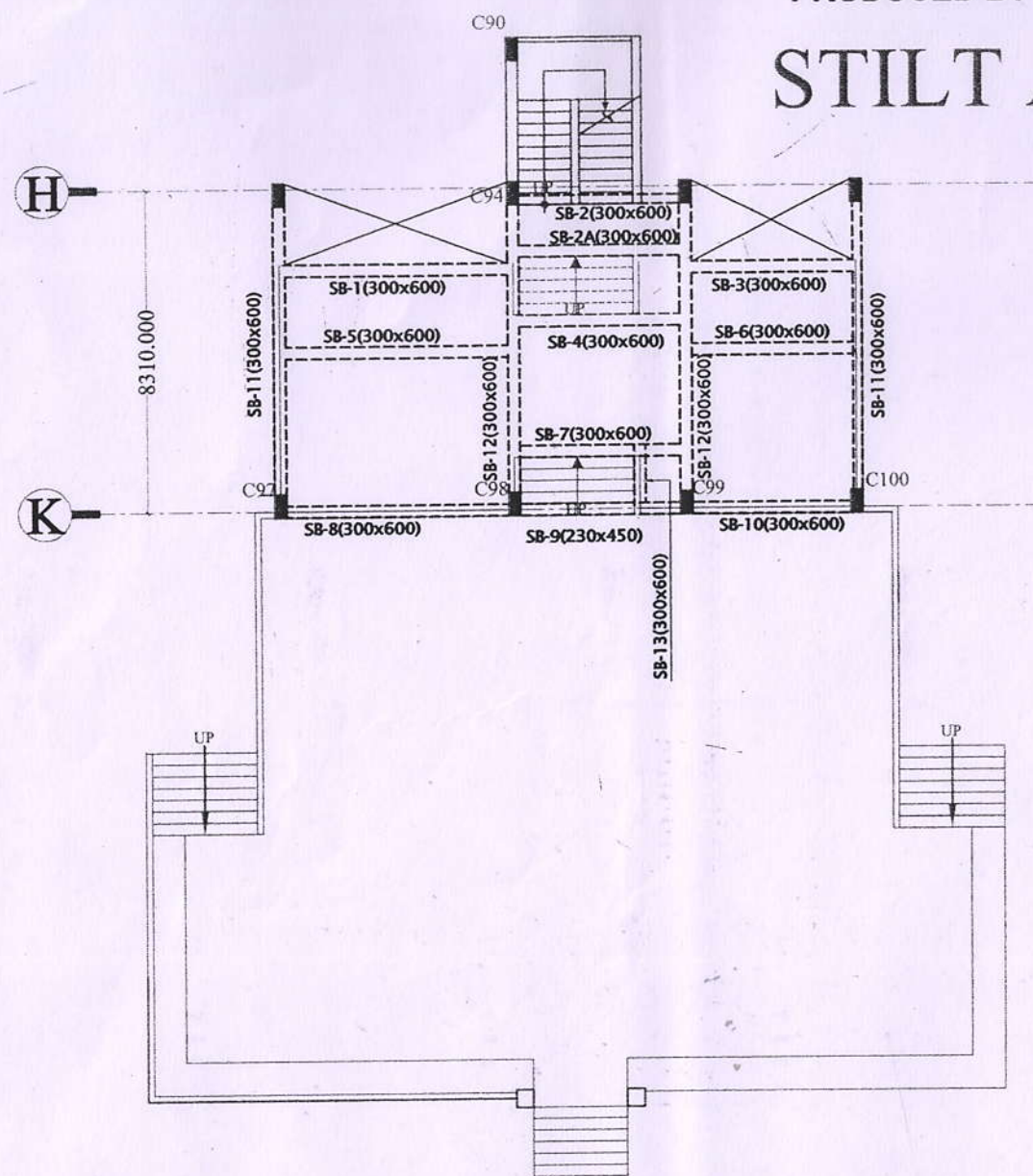
AXIS
8-AJKA LASHI PATEL SURYA NAGAR
CIVIL LINES JALPUR
PH: 9241-222103, 9829054373
E-Mail: axisarchitects@gmail.com



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

STILT AT +2.1 Mtr.



- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
- ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS
 - HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 - LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 - LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 - LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:

Lgt	Ldc
47#	38#
 - TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#@4" C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4" (20MM)	2/3" (15MM)	2/3" (15MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)
COLUMNS	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)
BEAMS, LINTEL	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)
WALLS, FLOOR SLAB & ROOF	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)
SLAB OF WATER TANK	1 1/2" (40MM)	1 1/2" (40MM)	1 1/2" (40MM)

GRADING OF CONCRETE & STEEL SHALL BE :-

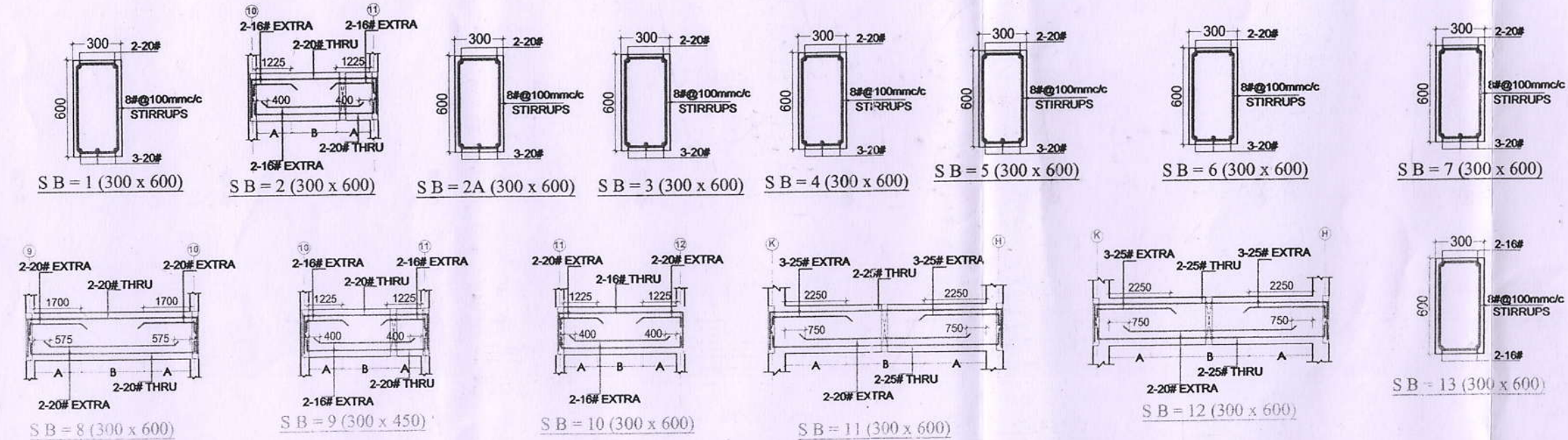
PARTICULAR	CONCRETE GRADE	STEEL GRADE
SLAB	M30	F400
FOOTING	M30	F400
RETAINING WALL	M30	F400
COLUMNS	M30	F400
BEAMS, LINTEL	M30	F400

MANOJ BISHNOI
Architect
COA No. CA/99/25277

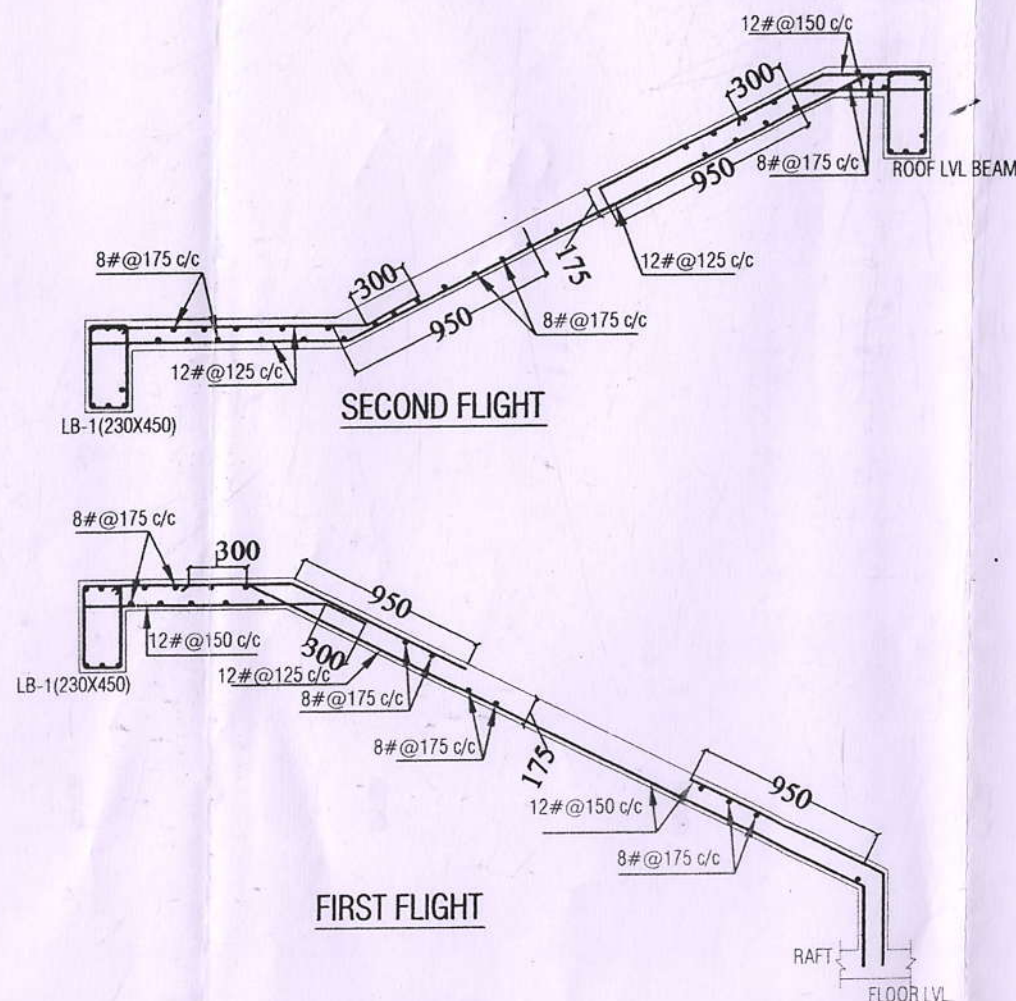
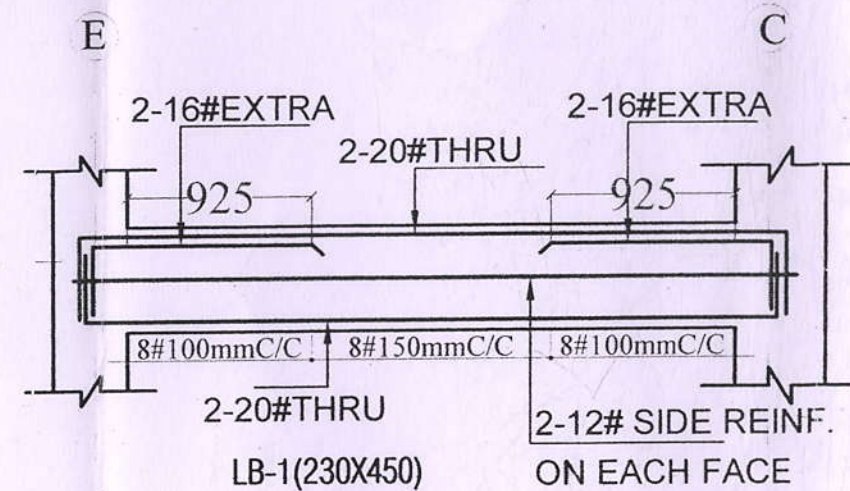
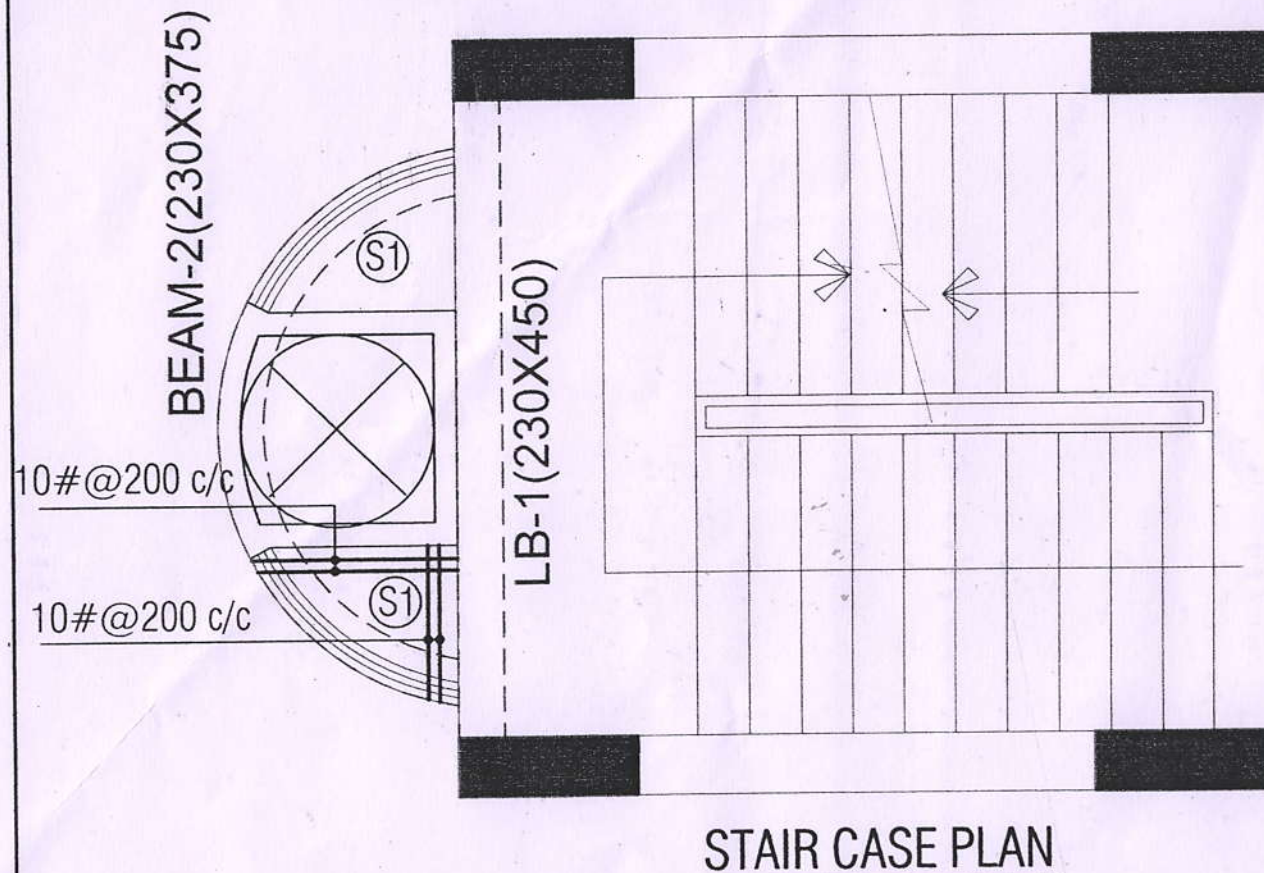
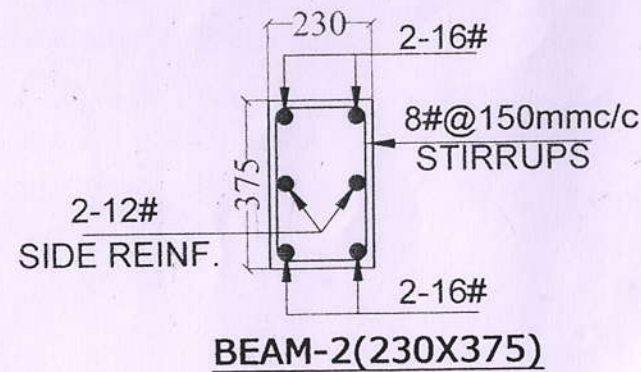
PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

STILT FLOOR AT LEVEL +2.1 M.
SLAB REIN. BEAM PLAN & DETAIL

AXIS
B-1, KAILASH PATRIKHA NAGAR,
CIVIL LINES JAIPUR
PH: 0141-2221155, 992605073
E: axisarchitects@gmail.com



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
 2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Ldt	Ldc
M-40	47#	38#

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM.)	2/3"(15MM.)	
FOOTING	2"(50MM.)	2"(50MM.)	2"(50MM.)
RETAINING WALL		1"(25MM.)	1 1/2"(40MM.) (EARTH SIDE) 3/4"(20MM.) (IN SIDE)
COLUMNS			1 1/2"(40MM.)
BEAMS, LINTEL	1"(25MM.)	1"(25MM.)	1"(25MM.)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK.			ON WATER FACE 1 1/2"(40MM.) (ON EARTH SIDE) WHERE APPLICABLE

REF. DRG

PROJECT TITLE
PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

DRG TITLE
STAIR CASE DETAIL

ARCHITECT

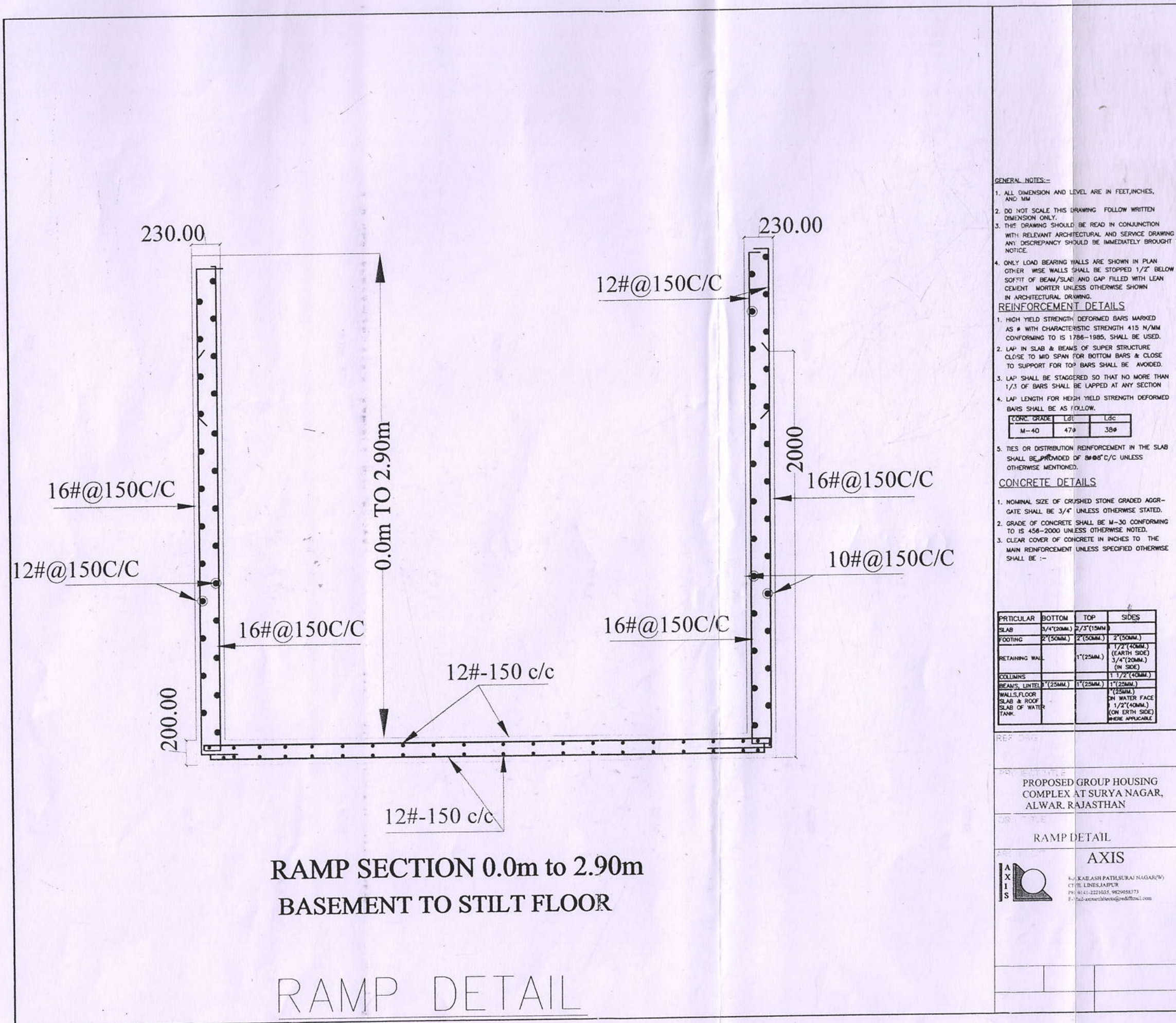
AXIS



S-AKAILASH PATH, SURYA NAGAR (W)
CIVIL LINES JAIPUR
PH. 0141-2221035, 9829058373
E-Mail: axisarchitects@rediffmail.com

MANOJ BISHNOI
Architect
DA No. CM/99/25277

PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM 1995661



- GENERAL NOTES:-**
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
 2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.
- | CONC. GRADE | Ld | Ldc |
|-------------|-----|-----|
| M-40 | 47d | 38d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#@500 C/C UNLESS OTHERWISE MENTIONED.

- CONCRETE DETAILS**
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4" (20MM)	2/3" (15MM)	
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL		1" (25MM)	1/2" (12MM) (EARTH SIDE) 3/4" (20MM) (IN SIDE)
COLUMNS			1 1/2" (40MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS, FLOOR			1" (25MM)
SLAB & ROOF			ON WATER FACE 1/2" (12MM)
SLAB OF WATER TANK			ON EARTH SIDE WHERE APPLICABLE

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

RAMP DETAIL

AXIS

KABASH PATIL SURAJ NAGAR (W)
CT. LINES, JAIPUR
PH: 9141-2221035, 9829058373
E: kashisharchitects@gmail.com

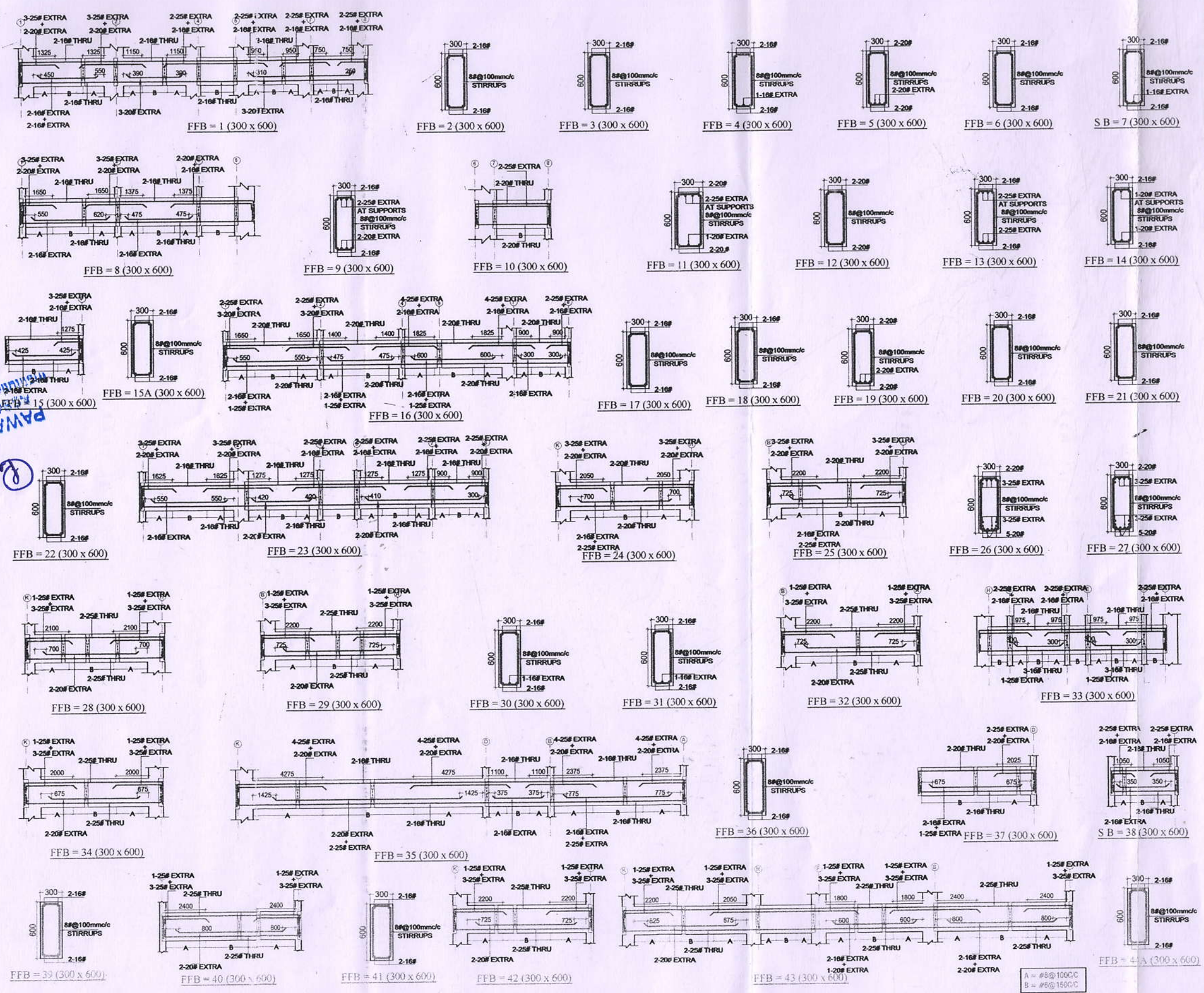
Pawan
PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM 1205561

sh

Mj
MANOJ BISHNOI
Architect
COA No. CA/99/25277

COA No. CA99/25277
Architect
MANOJ BISHNOI

PAWAN KUMAR
Architect
MANOJ BISHNOI
Architect
COA No. CA99/25277



3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.

2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.

3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.

4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

GRADE	GRADE	L ₁	L ₂
M-40	47#	38#	

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF Ø8@C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.

2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.

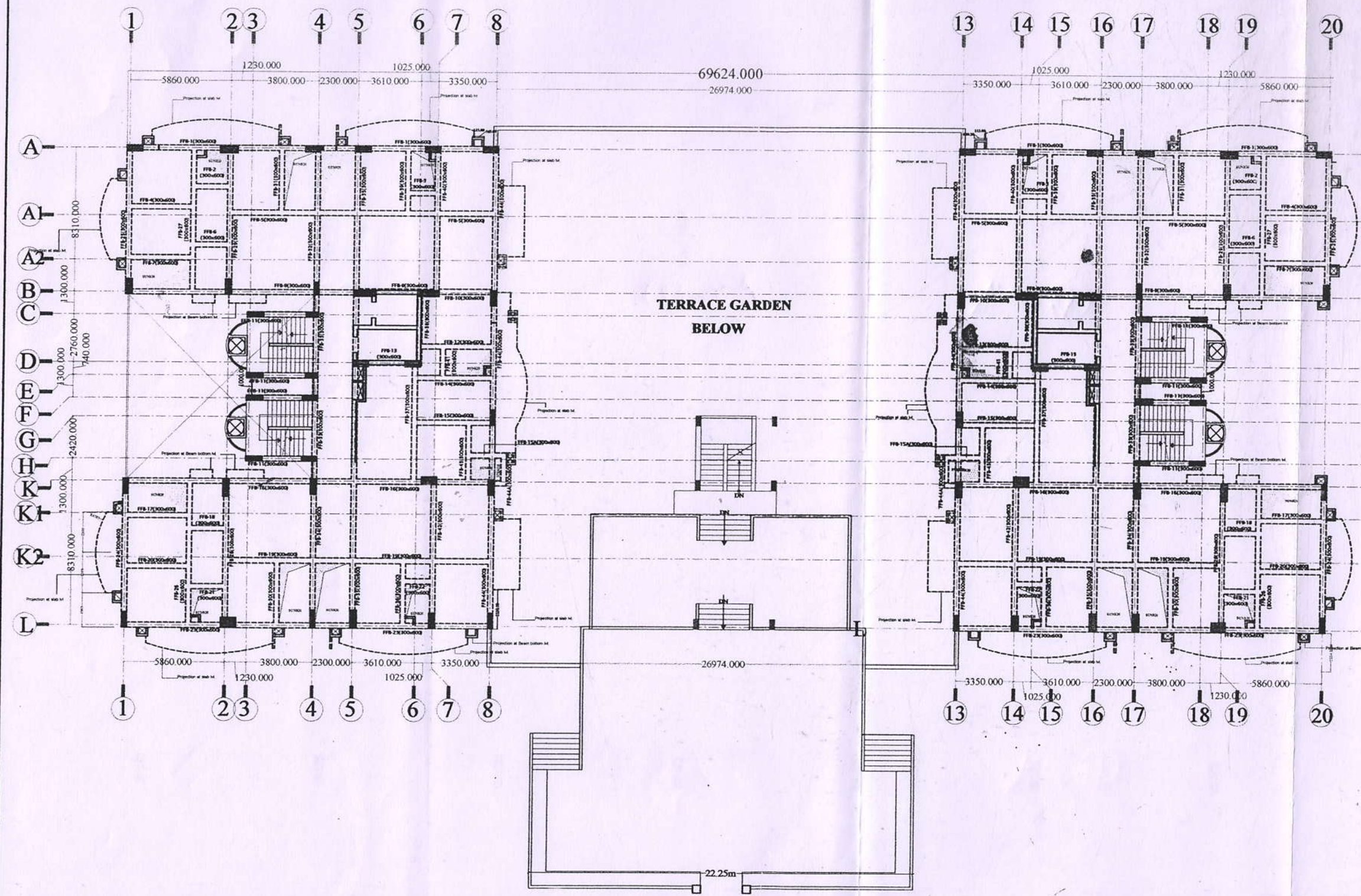
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
	5/4"(13MM)	2/3"(16MM)	2/3"(16MM)
	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1/2"(13MM) (EARTH SIDE) 3/4"(19MM) (ON SIDE)
COLUMNS		1"(25MM)	1/2"(13MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER		1"(25MM) ON WATER FACE 1/2"(13MM) (ON DRY SIDE)	WHERE APPLICABLE

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

FIRST FLOOR
BEAM DETAIL

AXIS
P. ANKARASHI PATIL SURYA NAGAR
CIVIL ENGINEER
PH: 0141-2221331, 942905077
E-Mail: ankarashi@axisindia.com



3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:
- | CONC. GRADE | Lap | Ldc |
|-------------|-----|-----|
| M-40 | 47d | 36d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8mm C/C UNLESS OTHERWISE MENTIONED.

- CONCRETE DETAILS**
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE -

PARTICULAR	BOTTOM	TOP	SIDES
	3/4"(20MM)	2/3"(16MM)	2"(50MM)
RETAINING WALL	2"(50MM)	2"(50MM)	2"(50MM)
COLUMNS	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
WALLS/FLOOR	1"(25MM)	1"(25MM)	1"(25MM)
SLAB & ROOF	1"(25MM)	1"(25MM)	1"(25MM)
SLAB OF WATER	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
ON BOTH SIDES			WHERE APPLICABLE

Panwar

PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM-1995861

Manoj

MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROJECT TITLE	
PROPOSED GROUP HOUSING COMPLEX AT SURYA NAGAR, ALWAR, RAJASTHAN	
ORIGINATOR	
FIRST FLOOR BEAM PLAN	
ARCHITECT	
AXIS	
#A-2, KALASHI PATIL SURYA NAGAR (W)	
CIVIL ENGINEER	
PH. 0141-2221031, 9829088373	
E-Mail: axisarchitects@gmail.com	
DATE	REV. NO.
	STR. FLOOR
DR. NO.	DR. NO.

FIRST FLOOR BEAM PLAN

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE, CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

Ld1	Ld2
47#	36#

- TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF #8@C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4" (20MM)	2/3" (15MM)	2" (50MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL		1" (25MM)	1 1/2" (40MM) (EARTH SIDE) 3/4" (20MM) (IN SIDE)
COLUMNS		1" (25MM)	1 1/2" (40MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK			ON WATER FACE 1 1/2" (40MM) ON EARTH SIDE 1" (25MM) WHERE APPLICABLE

Pawan
PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM 100 5634

M. M.
MANOJ BISHNOI
Architect
COA 10. CA/99/25277

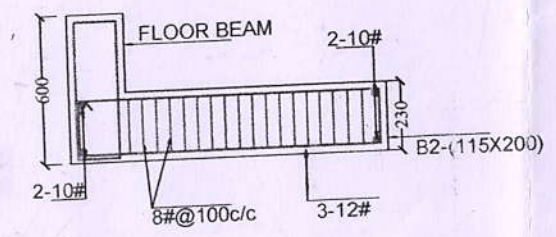
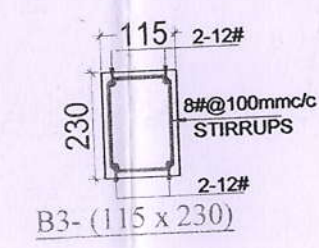
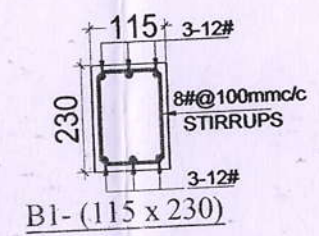
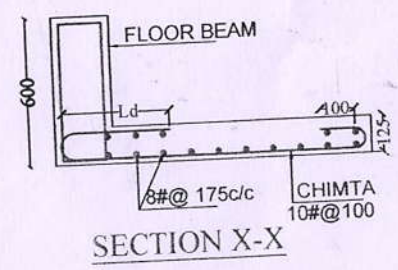
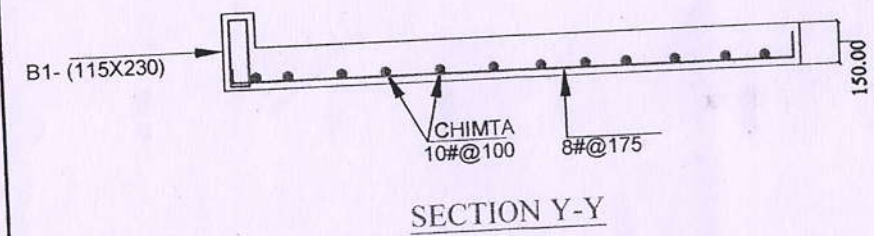
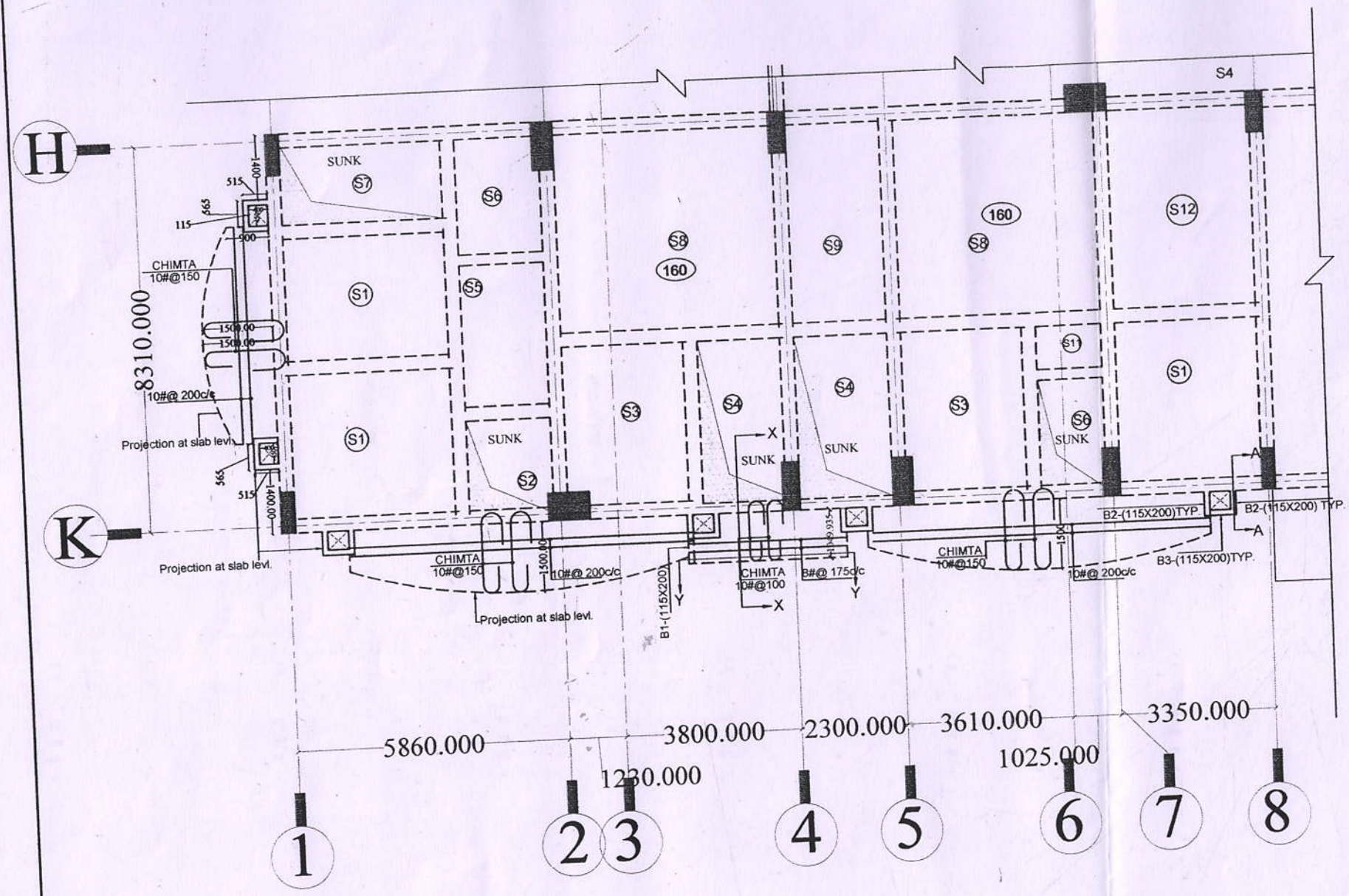
PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

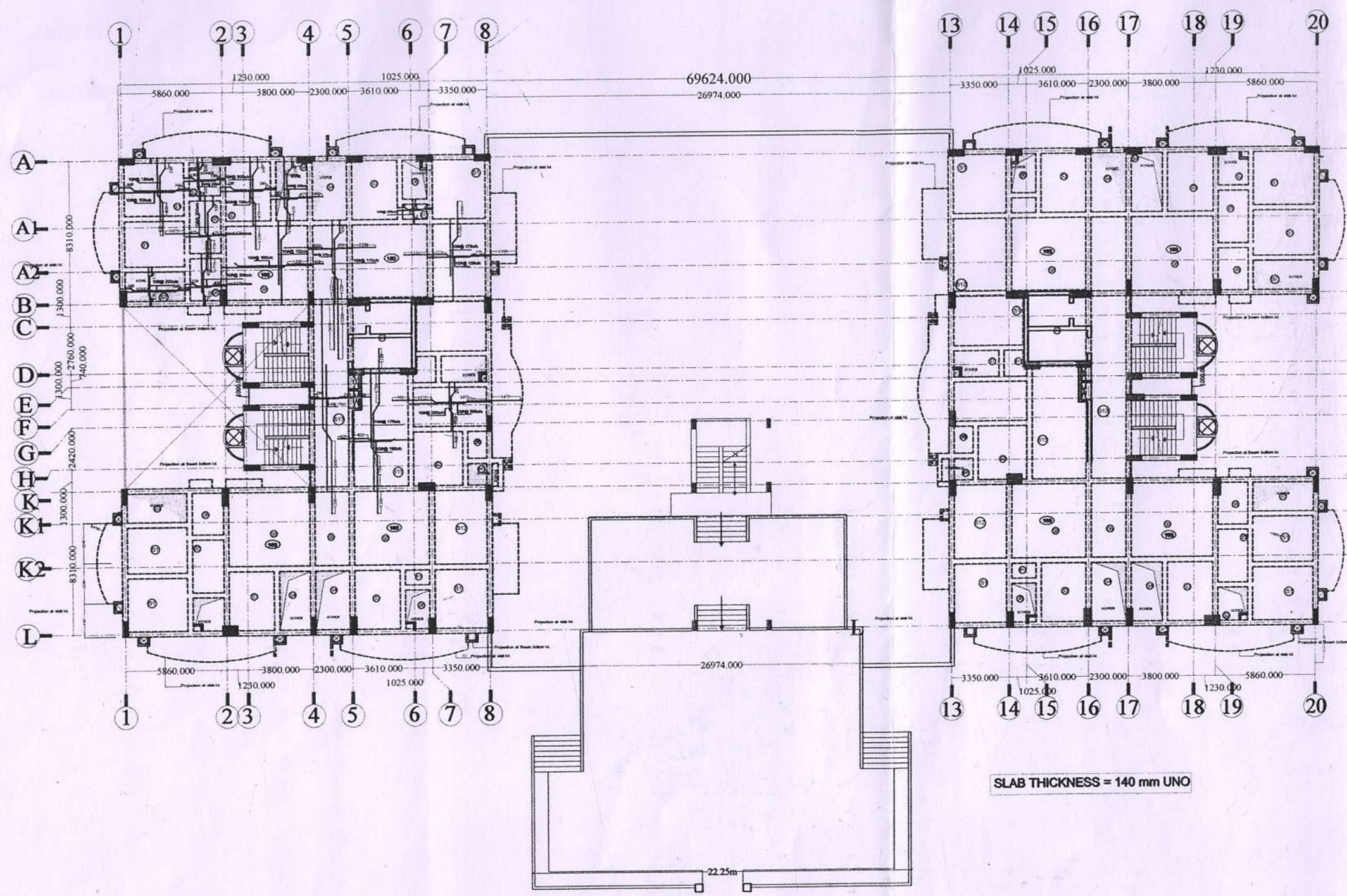
FIRST FLOOR
PROJECTION DETAIL (TYP.)

AXIS

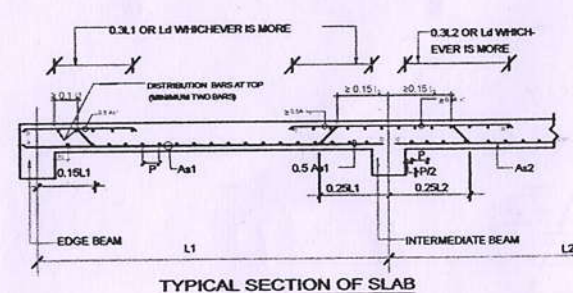


B.A. KAILASH PATHASURAJ NAGAR (P)
CIVIL ENGINEER
PIL 91412221035, 9829058373
E-Mail: aacsbhushan@gmail.com





SLAB THICKNESS = 140 mm UNO



NOTE:
At discontinuous edge of slab extra reinforcement @200/c shall be provided unless otherwise specified at top

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS 8 WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:
- | CORR. GRADE | L ₁ | L ₂ |
|-------------|----------------|----------------|
| M-40 | 47d | 36d |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8@400/C UNLESS OTHERWISE MENTIONED.
- CONCRETE DETAILS**
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE -

PARTICULAR	BOTTOM	TOP	SIDES
	3/4"(20MM)	2/3"(15MM)	2"(50MM)
	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1 1/2"(40MM) (EARTH SIDE) 3/4"(20MM) (IN SIDE)
COLUMNS		1"(25MM)	1 1/2"(40MM)
BEAMS, LINT.	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER		1"(25MM)	1 1/2"(40MM) ON WATER FACE 1 1/2"(40MM) (ON EARTH SIDE) WHERE APPLICABLE

Manoj
MANOJ BISHNOI
Architect
COA No. CA/99/25277

PROPOSED GROUP HOUSING COMPLEX AT SURYA NAGAR, ALWAR, RAJASTHAN

FIRST FLOOR SLAB REINF.

AXIS
8, AKAILASHI PATH, SURYA NAGAR,
CIVIL ENGINEER, ALWAR
PIN: 30141-221103, WER-08373
E-Mail: axisengineers@gmail.com

Pawan
PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1005661

FIFTH TO EIGHTH FLOOR						NINTH TO TWELVE FLOOR						THIRTEENTH TO SIXTEENTH FLOOR						REMARK		
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS			SECTION	RINGS
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION			
01	C1	375 x 750	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
02	C2	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 750	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 750	14- #25	8#- 100mm c/c	8#- 150mm c/c			
03	C3	300 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
04	C4	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
05	C5	375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
06	C6	375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			
07	C7	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
08	C8	300 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #25	8#- 100mm c/c	8#- 150mm c/c			
09	C9	300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			
10	C10	300x1200	14- #25	8#- 100mm c/c	8#- 150mm c/c			300x1200	10- #25	8#- 100mm c/c	8#- 150mm c/c			300x1200	10- #20	8#- 100mm c/c	8#- 150mm c/c			

GENERAL NOTES:-
 1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES, AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS
 1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:
 LDC: GRADE: LDC
 M-40 47# 38#
 5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8# @ 250 C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS
 1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	2/3"(15MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
COLUMNS	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTLS	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)

Pawan
PAWAN KUMAR
 ASSOCIATE MEMBER
 INSTITUTION OF ENGINEERS (India)
 AME/1998/0001

PROJ: 01/02
 DT: 21/06/15

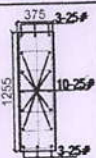
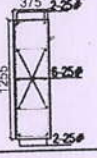
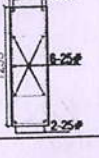
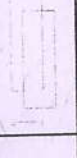
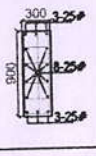
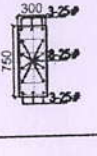
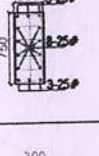
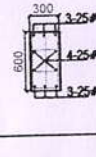
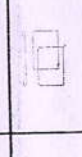
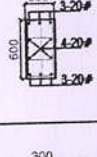
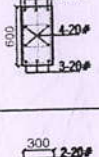
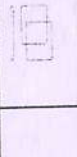
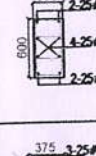
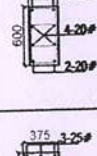
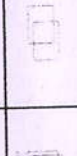
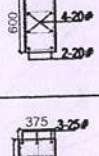
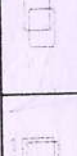
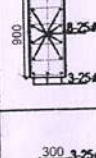
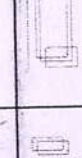
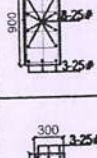
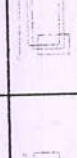
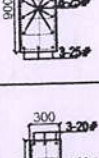
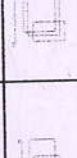
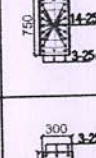
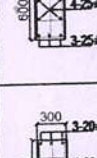
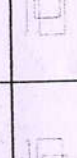
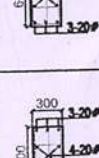
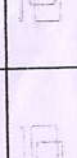
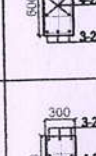
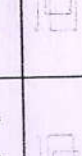
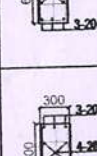
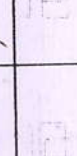
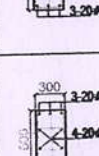
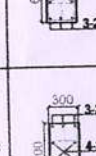
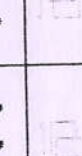
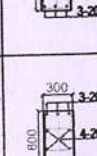
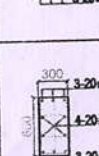
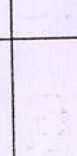
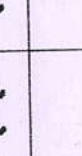
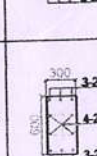
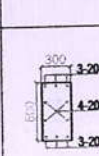
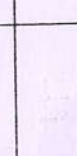
PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

COLUMN SCHEDULE

ARCHITECT
AXIS
 B-AKASH PATIL SURAJ NAGAR (W)
 CIVIL ENGINEER
 PLOT-422/001, W-205/017
 E-Mail: axisarchitect@gmail.com

DATE: 21/06/15
 DES. NO: 01/02
 CORR. NO: 01/02

NOJ BISHNOI
 Architect
 COA No. CA/99/25277

FIFTH TO EIGHTH FLOOR										NINTH TO TWELVE FLOOR					THIRTEENTH TO SIXTEENTH FLOOR					REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REIN.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION			
11	C11	375x1255	16- #25	8#-100mm c/c	8#-150mm c/c			375x1255	10- #25	8#-100mm c/c	8#-150mm c/c			375x1255	10- #25	8#-100mm c/c	8#-150mm c/c			
12	C12	300 x 900	14- #25	8#-100mm c/c	8#-150mm c/c			300x750	14- #25	8#-100mm c/c	8#-150mm c/c			300x750	14- #25	8#-100mm c/c	8#-150mm c/c			
13	C13	300 x 600	10- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			
14	C14	300 x 600	8- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	8- #20	8#-100mm c/c	8#-150mm c/c			300 x 600	8- #20	8#-100mm c/c	8#-150mm c/c			
15	C15	375x900	14- #25	8#-100mm c/c	8#-150mm c/c			375x900	14- #25	8#-100mm c/c	8#-150mm c/c			375x900	14- #25	8#-100mm c/c	8#-150mm c/c			
16	C16	300x750	20- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			
17	C17	300 x 600	10- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			
18	C18	300 x 600	10- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			
19	C19	300 x 600	10- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			
20	C20	300 x 600	10- #25	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			300 x 600	10- #20	8#-100mm c/c	8#-150mm c/c			

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L ₁	L ₂
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF #8@C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(16MM)	
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1/2"(12MM)	3/4"(20MM) (ON SIDE)
COLUMNS	1 1/2"(38MM)	1 1/2"(38MM)	1 1/2"(38MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB & WATER TANK			ON WATER FACE 1 1/2"(38MM) (ON EARTH SIDE) WHERE APPLICABLE

Pawan
PAWAN KUMAWAT
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AN-2005861

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

COLUMN SCHEDULE



AXIS

8-A, KAILASH PATRESURAJ NAGAR (7)
 CIVIL LINES, JAIPUR
 PH: 0141-2221015, 9629043171
 E-Mail: axis@axis.in, axis@rediffmail.com

M. Moh
M. MOJ BISHNOI
 Architect
 PCA No. CA/99/25277

FIFTH TO EIGHTH FLOOR										NINTH TO TWELVE FLOOR					THIRTEENTH TO SIXTEENTH FLOOR						REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS		
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION				
21	C21	300 x 600	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	12- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
22	C22	300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c				
23	C23	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c				
24	C24	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
25	C25	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
26	C26	375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
27	C27	375 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
28	C28	300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	8- #20	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
29	C29	300 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	14- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
30	C30	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 750	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 750	16- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	

- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
 2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
 4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L ₁	L ₂
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8# @ 400 C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4" (20MM)	2/3" (15MM)	2" (50MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL	1" (25MM)	1" (25MM)	1" (25MM)
COLUMNS	1" (25MM)	1" (25MM)	1" (25MM)
BEAMS, LINTOL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS/FLOOR SLAB & ROOF	1" (25MM)	1" (25MM)	1" (25MM)
SLAB OF WATER TANK	1" (25MM)	1" (25MM)	1" (25MM)

Pawan
PAWAN KUMAWAT
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM1903661

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

COLUMN SCHEDULE

AXIS
 8-AKULASH PATILNAGAR NAGARPO
 CIVIL ENGINEER
 PH. 9247122103, 924604371
 E-Mail: axiscivils@gmail.com

Manoj
MANOJ BISHNOI
 Architect
 PDA No. CA/99/25277

FIFTH TO EIGHTH FLOOR								NINTH TO TWELVE FLOOR						THIRTEENTH TO SIXTEENTH FLOOR						REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION			
31	C31	300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
32	C32	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
33	C33	300 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
34	C34	300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
35	C35	375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	16- #25	8#- 100mm c/c	8#- 150mm c/c			
36	C36	375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			
37	C37	300 x 900	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #28	8#- 100mm c/c	8#- 150mm c/c									
38	C38	300 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
39	C39	375 x 900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 750	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 750	14- #25	8#- 100mm c/c	8#- 150mm c/c			
40	C40	375 x 750	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	18- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND CAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L _{1d}	L _{2d}
M-40	47d	39d

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF #8@400 C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	2" (50MM)	2" (50MM)	2" (50MM)
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL	1" (25MM)	1" (25MM)	1" (25MM)
COLUMNS	1" (25MM)	1" (25MM)	1" (25MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK	1" (25MM)	1" (25MM)	1" (25MM)

Pawan
PAWAN KUMAR
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM1995661

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

COLUMN SCHEDULE



AXIS

KARAJASH PATEL SURYA NAGAR
 CIVIL ENGINEER
 TEL: 0141-222105, 94260470
 E-MAIL: karajash.patel@gmail.com

Manoj
MANOJ BISHNOI
 Architect
 Reg. No. CA/99/25277

FIFTH TO EIGHTH FLOOR							NINTH TO TWELVE FLOOR							THIRTEENTH TO SIXTEENTH FLOOR							REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS		
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION				
41	C41	300 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	14- #25	8#- 100mm c/c	8#- 150mm c/c				
42	C42	375 x1255	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x1255	16- #25	8#- 100mm c/c	8#- 150mm c/c			375 x1255	16- #25	8#- 100mm c/c	8#- 150mm c/c				
43	C43	300x1200	14- #25	8#- 100mm c/c	8#- 150mm c/c			300x1200	16- #25	8#- 100mm c/c	8#- 150mm c/c			300x1200	16- #25	8#- 100mm c/c	8#- 150mm c/c				
44	C44	300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c				
45	C45	300x900	16- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 750	12- #25	8#- 100mm c/c	8#- 150mm c/c				
46	C46	375 x900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x900	20- #25	8#- 100mm c/c	8#- 150mm c/c			375 x900	20- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
47	C47	300 x 600	8- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	8- #28	8#- 100mm c/c	8#- 150mm c/c			300 x 600	8- #28	8#- 100mm c/c	8#- 150mm c/c				
48	C48	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #28	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #28	8#- 100mm c/c	8#- 150mm c/c				
49	C49	300 x750	20- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #28	8#- 100mm c/c	8#- 150mm c/c				
50	C50	375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	14- #25	8#- 100mm c/c	8#- 150mm c/c				

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Φ WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Ldt	Ldc
M-40	47%	38%

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8@8" C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4" (20MM)	2/3" (15MM)	
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL		1" (25MM)	1 1/2" (40MM) (EARTH SIDE) 3/4" (20MM) (IN SIDE)
COLUMNS			1 1/2" (40MM)
BEAMS, LINTED	1" (25MM)	1" (25MM)	1" (25MM)
WALLS/FLOOR			1" (25MM)
SLAB & ROOF			2IN WATER P
SLAB OF WATER			1 1/2" (40MM)
TANK			(ON EARTH SIDE)

Pawan
PAWAN KUMAR
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1995661

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR
ALWAR, RAJASTHAN

COLUMN SCHEDULE.

AXIS

B.A. KAILASH PATHI, SURAJ NAGAR/W
CIVIL LINES, JAIPUR
PIN- 3141-22/1035, 9829058373
E-Mail: asjarchitects@gmail.com

MANOJ BISHNOI
Architect
COA No. CA/99/25272

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

FIFTH TO EIGHTH FLOOR										NINTH TO TWELVE FLOOR					THIRTEENTH TO SIXTEENTH FLOOR					REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION			
51	CS1	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
52	CS2	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
53	CS3	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
54	CS4	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
55	CS5	300 x 600	14- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	12- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
56	CS6	300 x 600	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
57	CS7	300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			
58	CS8	300 x 750	10- #25	8#- 100mm c/c	8#- 150mm c/c			300 x 600	10- #20	8#- 100mm c/c	8#- 150mm c/c			300 x 600	8- #20	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
59	CS9	375 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	26- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR
60	C60	375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			375 x 900	24- #25	8#- 100mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM.
2. DO NOT SCALE THIS DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	L ₁	L ₂
M-40	47#	30#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8#8@C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	1/4" (20MM)	2/3" (15MM)	
FOOTING	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL		1 1/2" (40MM)	1 1/2" (40MM)
		(EARTH SIDE)	3/4" (20MM)
			(IN SIDE)
COLUMNS	1" (25MM)	1" (25MM)	1 1/2" (38MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS, LOOP			1" (25MM)
SLAB & ROOF			1 1/2" (40MM)
SLAB OF WATER TANK			2" (50MM)
			(ON EARTH SIDE)
			WHERE APPLICABLE

Pawan
PAWAN KUMAR
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM 1503801

PROPOSED

NO. 2/2013

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

COLUMN SCHEDULE



AXIS

RAJALASH PATEL SURYA NAGAR, WY
 CIVIL ENGINEER
 PH. 9141-221105, 9826249372
 E-Mail: axis-engineering@rediffmail.com

Pawan
PAWAN BISHNOI
 Architect
 No. CA/9925277

FIFTH TO EIGHTH FLOOR										NINTH TO TWELVE FLOOR					THIRTEENTH TO SIXTEENTH FLOOR						REMARK
SR. NO.	COLUMN NO.	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS	COLUMN SIZE	REINF.	STIRRUPS		SECTION	RINGS		
				END REGION	MID REGION					END REGION	MID REGION					END REGION	MID REGION				
61	C61	450 x 1050	300 x 900	16- #25	8#- 100mm c/c 8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c 8#- 150mm c/c	8#- 150mm c/c			300 x 900	14- #25	8#- 100mm c/c 8#- 150mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
62	C62	300 x 900	300 x 900	18- #25	8#- 100mm c/c 8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c 8#- 150mm c/c	8#- 150mm c/c			300 x 900	18- #25	8#- 100mm c/c 8#- 150mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	
63	C63	300 x 900	300 x 900	10- #25	8#- 100mm c/c 8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c 8#- 150mm c/c	8#- 150mm c/c			300 x 900	10- #25	8#- 100mm c/c 8#- 150mm c/c	8#- 150mm c/c			END AT FIFTEENTH FLOOR	

PAI
A
Ins

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET/INCHES AND MM.
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAW ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUG NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BEL SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

CONC. GRADE	Ld	Ldc
M-40	47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLA SHALL BE PROVIDED OF 8#@8" C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PRTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1 1/2"(40MM)	1 1/2"(40MM)
COLUMNS		1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR		1"(25MM)	1"(25MM)
SLAB & ROOF		1 1/2"(40MM)	1 1/2"(40MM)
SLAB OF WATER TANK		1 1/2"(40MM)	1 1/2"(40MM)

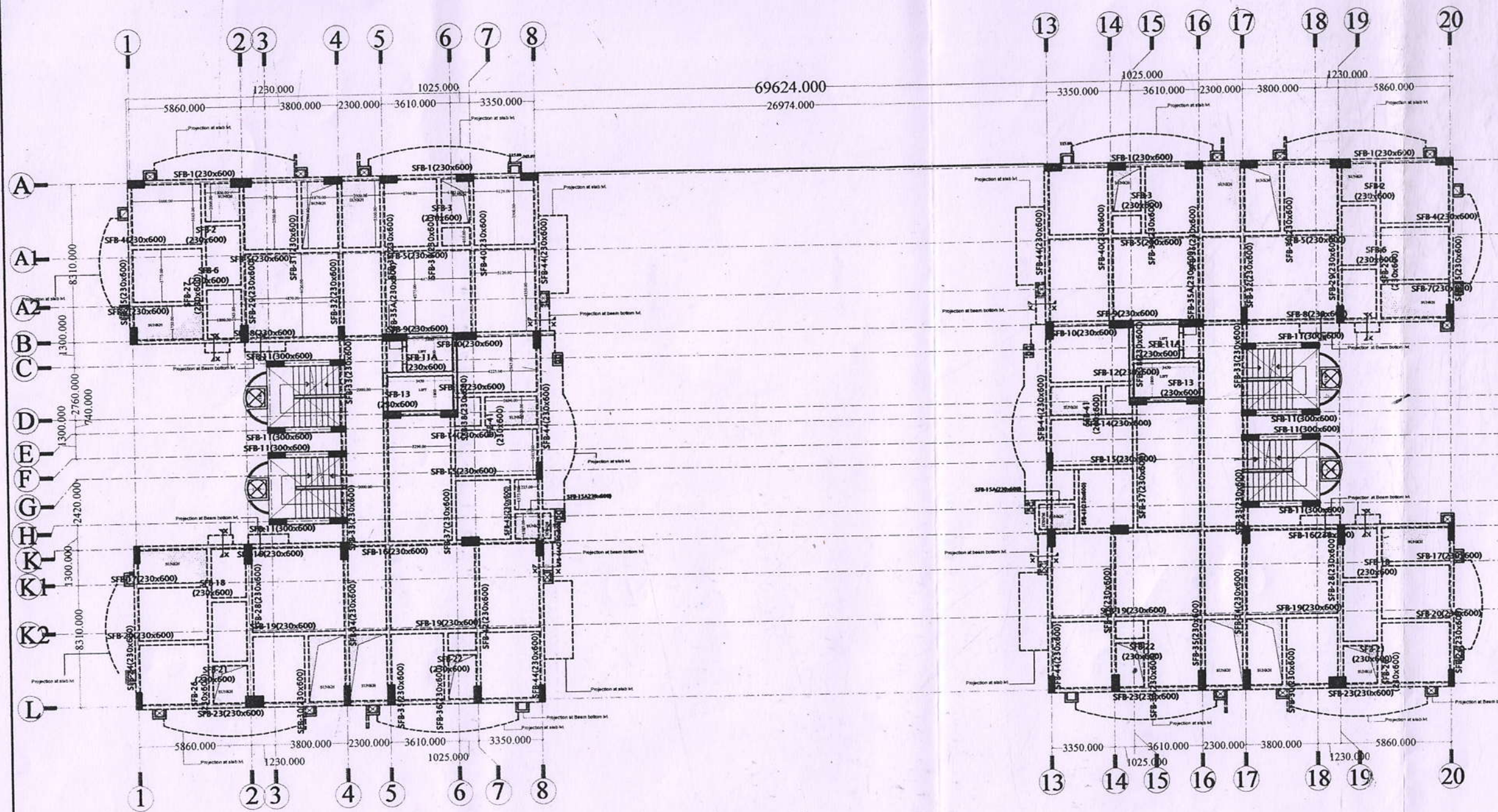
Pawan
PAWAN KUMAR
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM 1993566

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

COLUMN SCHEDULE

ARCHITECT
AXIS
 P. A. KARLASH PATIL SURYA NAGAR
 CIVIL ENGINEER
 PH: 0141-2221035, 9829058373
 E-Mail: axisarchitects@gmail.com

M. M.
MANGU BISHNOI
 Architect
 No. CA/99/25277



3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Φ WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF $\Phi 8 @ 400$ C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE -

PARTICULAR	BOTTOM	TOP	SIDES
RETAINING WALL	3/4" (20MM)	2" (50MM)	2" (50MM)
COLUMNS	1" (25MM)	1" (25MM)	1" (25MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER	1" (25MM)	1" (25MM)	1" (25MM)

Pawan
PAWAN KUMAR
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 A-100, 100/100

REF. Dwg

PROJECT TITLE

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

Dwg. TITLE

Typical floor Beam Plan
 (IInd Floor To XVth Floor)

ARCHITECT

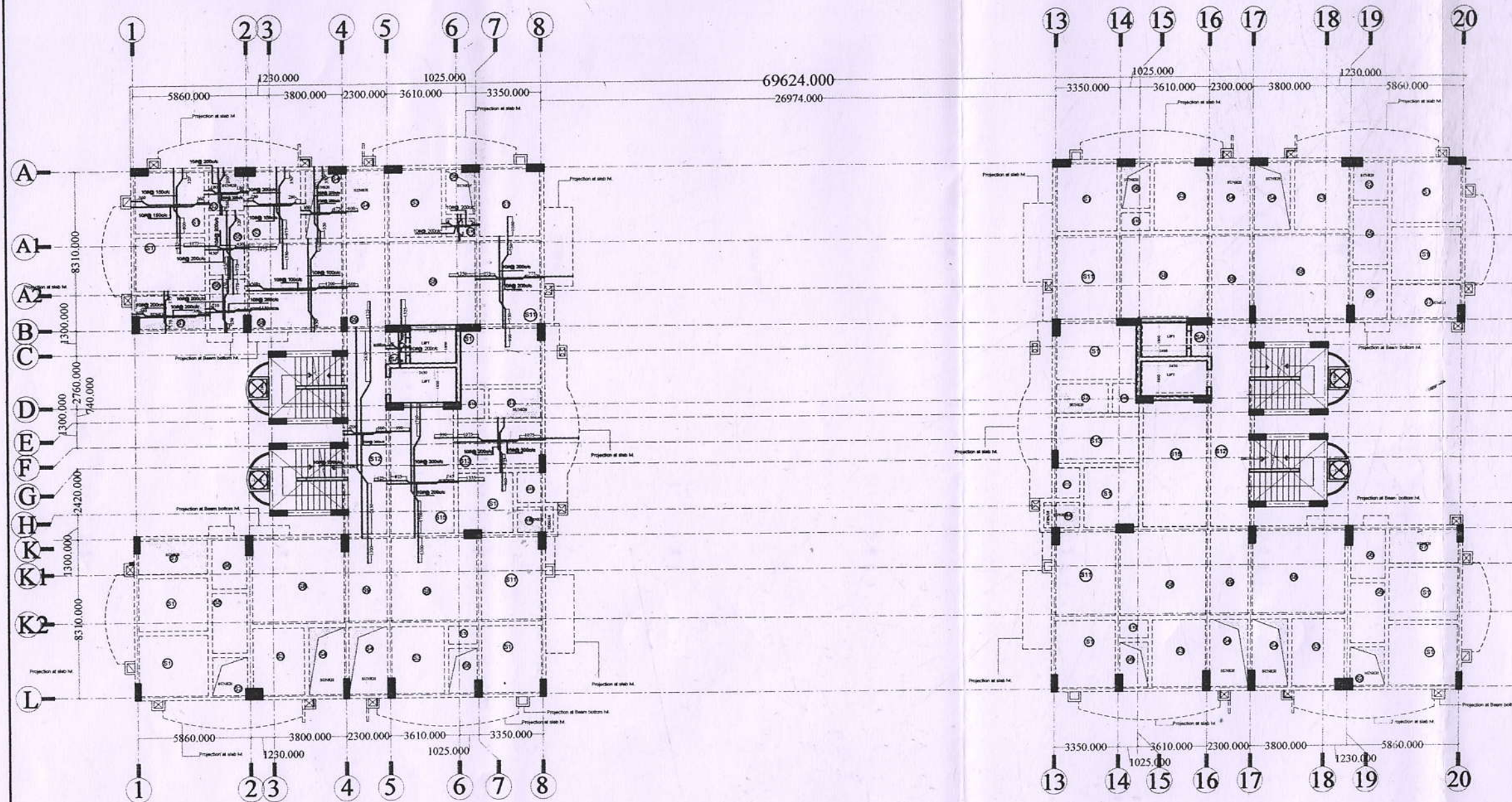


AXIS

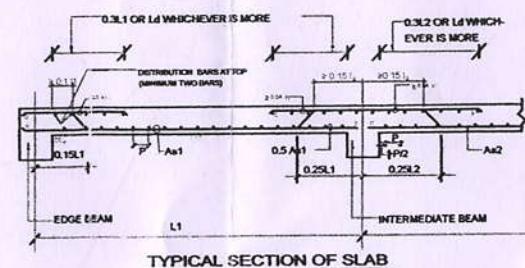
A-KAILASH PATEL SURYA NAGARW
 CIVIL ENGINEER
 PH. 0141-2221035, 9826008373
 E-Mail: axisarchitects@gmail.com

M. M.
MANOJ BISHNOI
 Architect
 Udaipur, RAJASTHAN

Typical floor Beam Plan
 (IInd Floor To XVth Floor)



Typical Slab Reinf. Detail
(IInd Floor To XVth Floor)



SLAB THICKNESS = 150 mm UNO

NOTE:
1. Check the Reinforcement Along Longer Span
2. Check the Reinforcement Along Longer Span

NOTE:
At discontinuity edge of slab extra reinforcement @ 0.5% shall be provided unless otherwise specified at top

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 2#8@C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE -

PARTICULAR	BOTTOM	TOP	SIDES
	1/4"(20MM)	2/3"(15MM)	2/3"(15MM)
	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1 1/2"(40MM) (EARTH SIDE) 3/4"(20MM) (W SIDE)
COLUMNS	1"(25MM)	1"(25MM)	1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR			2"(50MM)
SLAB & ROOF			1 1/2"(40MM) (ON WATER FACE) 1 1/2"(40MM) (ON EXTH SIDE) (WHEN APPLICABLE)

Pawan
PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
A.E. 005661

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

Typical Slab Reinf. Detail
(IInd Floor To XVth Floor)



AXIS

AKASHI PATEL SURYA NAGAR
CITY, INDIA
TEL: 0141-221101, 99991975
E-Mail: akashipatel@axisindia.com

M. Bishnoi
MANOJ BISHNOI
Architect
CA/99/25277

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



Typical floor Beam Detail
(IInd Floor To XVth Floor)

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:

Bar	Lap
47#	38#

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8mm² C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1/2"(12MM) (ON BOTH SIDES)
COLUMNS		1"(25MM)	1/2"(12MM) (ON BOTH SIDES)
BEAMS, LINTOL	1"(25MM)	1"(25MM)	1"(25MM)
WALL/FLOOR SLAB & ROOF SLAB OF WATER TANK			2"(50MM) ON WATER FACE 1/2"(12MM) (ON BOTH SIDES) WHERE APPLICABLE

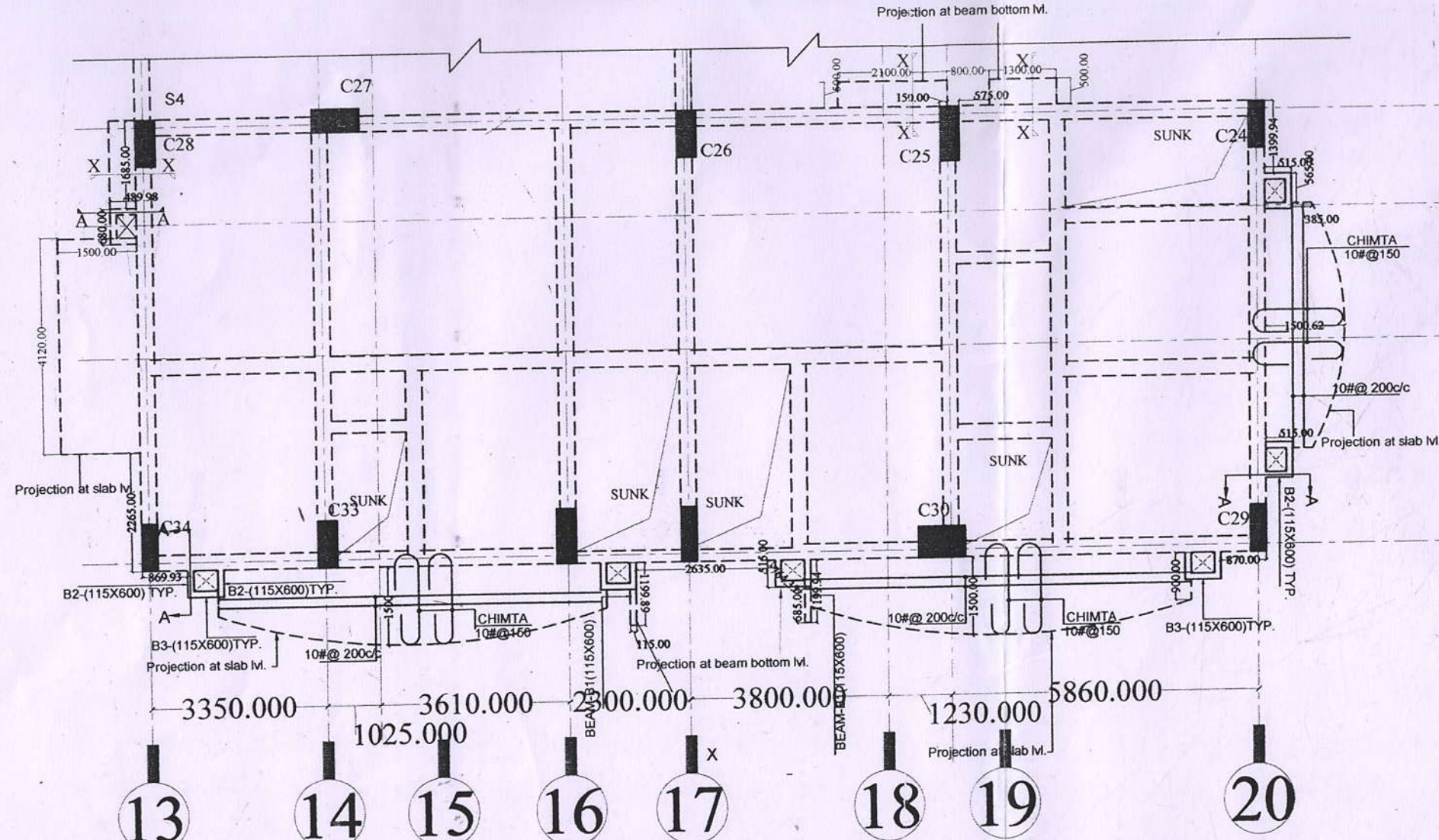
Pawan
PAWAN KUMAR
ASSOCIATE MEMBER
Institution of Engineers (India)
AM 1003001

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

Typical Beam Detail
(IInd Floor To XVth Floor)

AXIS
K. J. JALALI PATEL & CO. ARCHITECTS
CIVIL ENGINEERS
PH: 0141-222003, 9829081113
E-Mail: axisarchitects@gmail.com

M. N.
MANOJ BISHNOI
Architect
GOA No. CA/99/25277



K-
K1
K2
L-

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION OTHERWISE MENTIONED.
- CONCRETE DETAILS**
1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
 2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
 3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1/2"(12MM) (EARTH SIDE) 3/4"(20MM) (IN SIDE)
COLUMNS		1/2"(12MM)	1/2"(12MM)
BEAMS (LIMIT)	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK		1/2"(12MM)	2" IN WATER FACE 1/2"(12MM) (ON EARTH SIDE) WHERE APPLICABLE

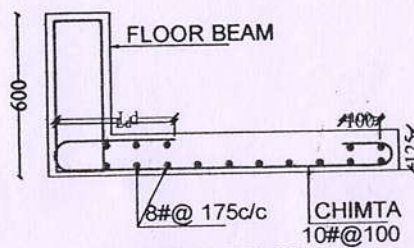
Pawan
PAWAN KUMAR
ASSOCIATE MEMBER
Institution of Engineers (India)
AM:10000661

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

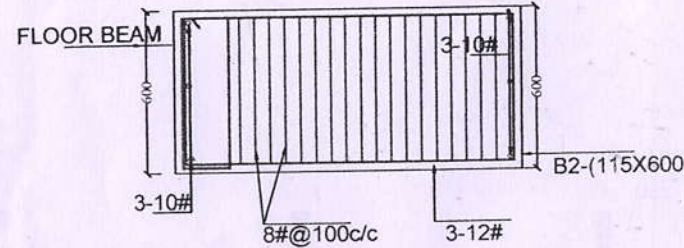
Typical Projection Detail
(11th Floor To XVth Floor)

AXIS

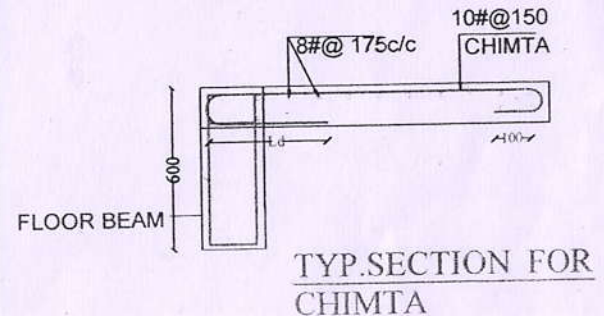
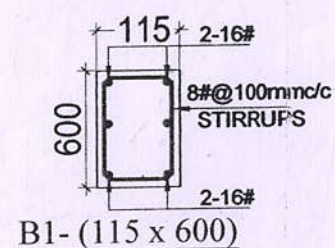
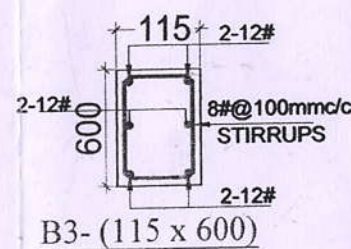
AXIS
B-1 KAILASH PATH SURYA NAGAR
CIVIL LINES JAIPUR
TEL: 0141-2221035, 9829058373
E-Mail: axisarchitects@gmail.com



SECTION X-X



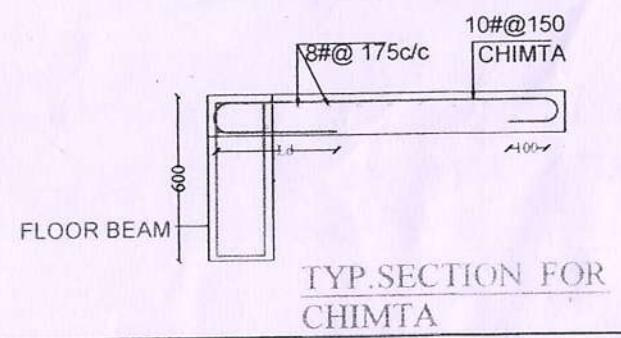
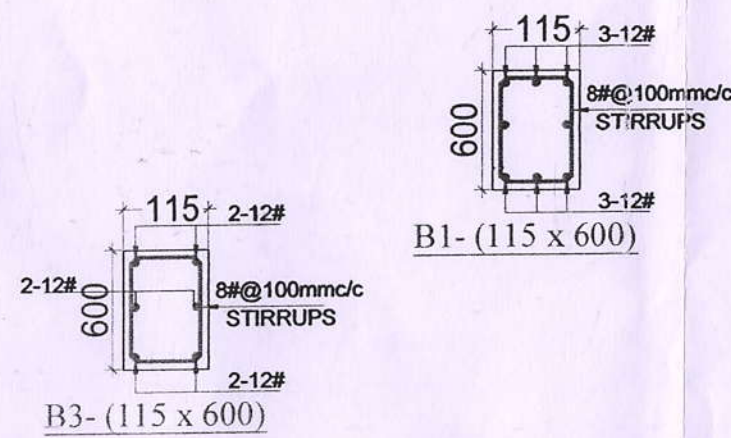
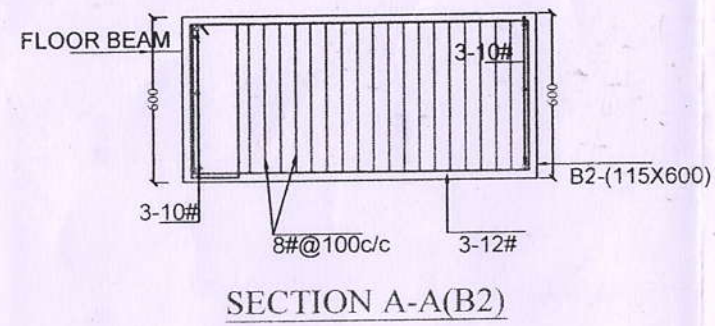
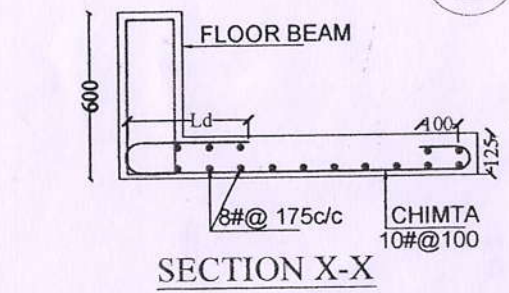
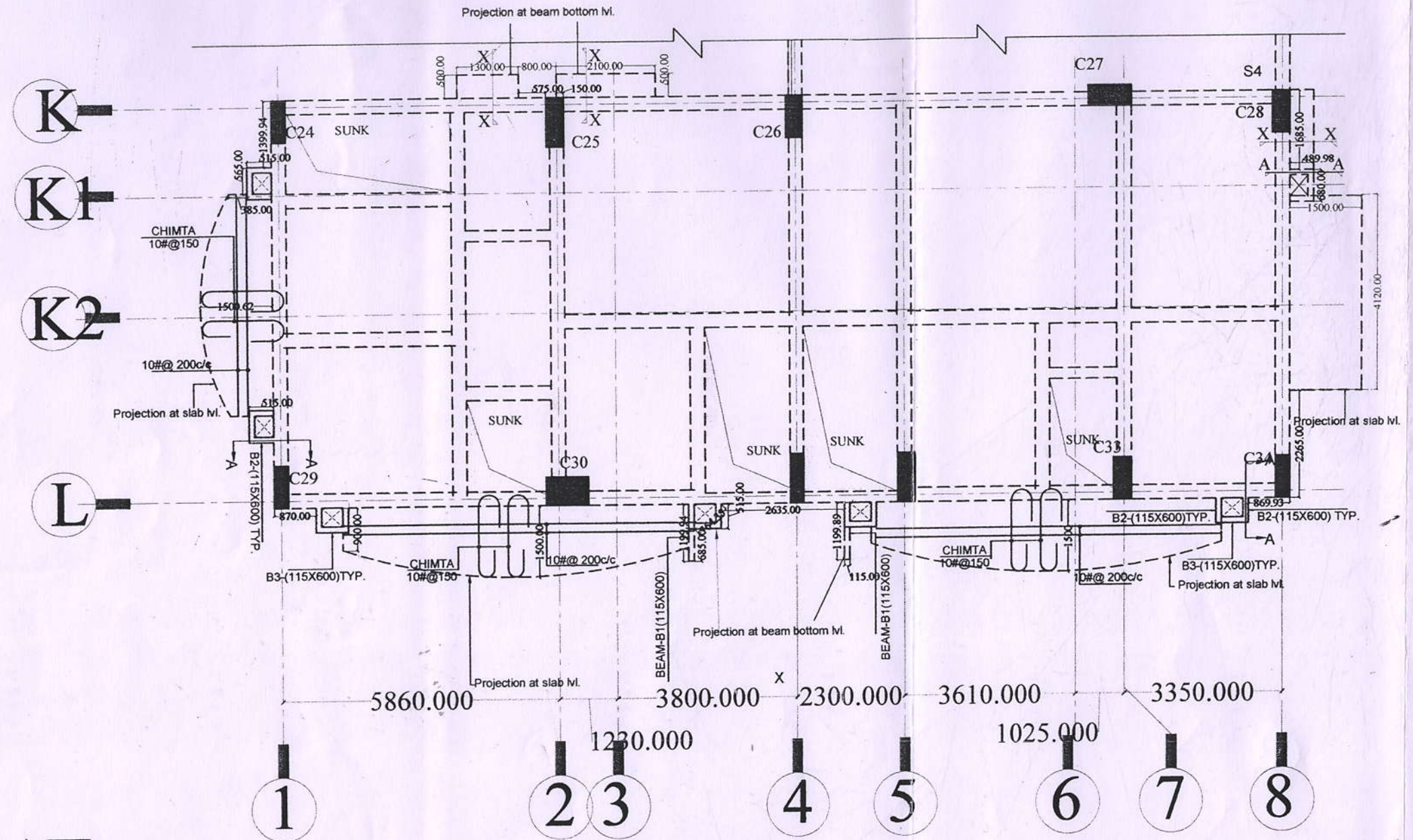
SECTION A-A(B2)



TYP. SECTION FOR
CHIMTA

Manoj
MANOJ BISHNOI
Architect
No. CA/99/25277

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 - LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 - LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 - TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8MM C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	2/3"(15MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	1"(25MM)	1"(25MM)	1"(25MM)
COLUMNS	1 1/2"(40MM)	1 1/2"(40MM)	1 1/2"(40MM)
BEAMS, UNITS	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK	1"(25MM)	1"(25MM)	1"(25MM)

Pawar
PAWAN KUMAR
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM1903861

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

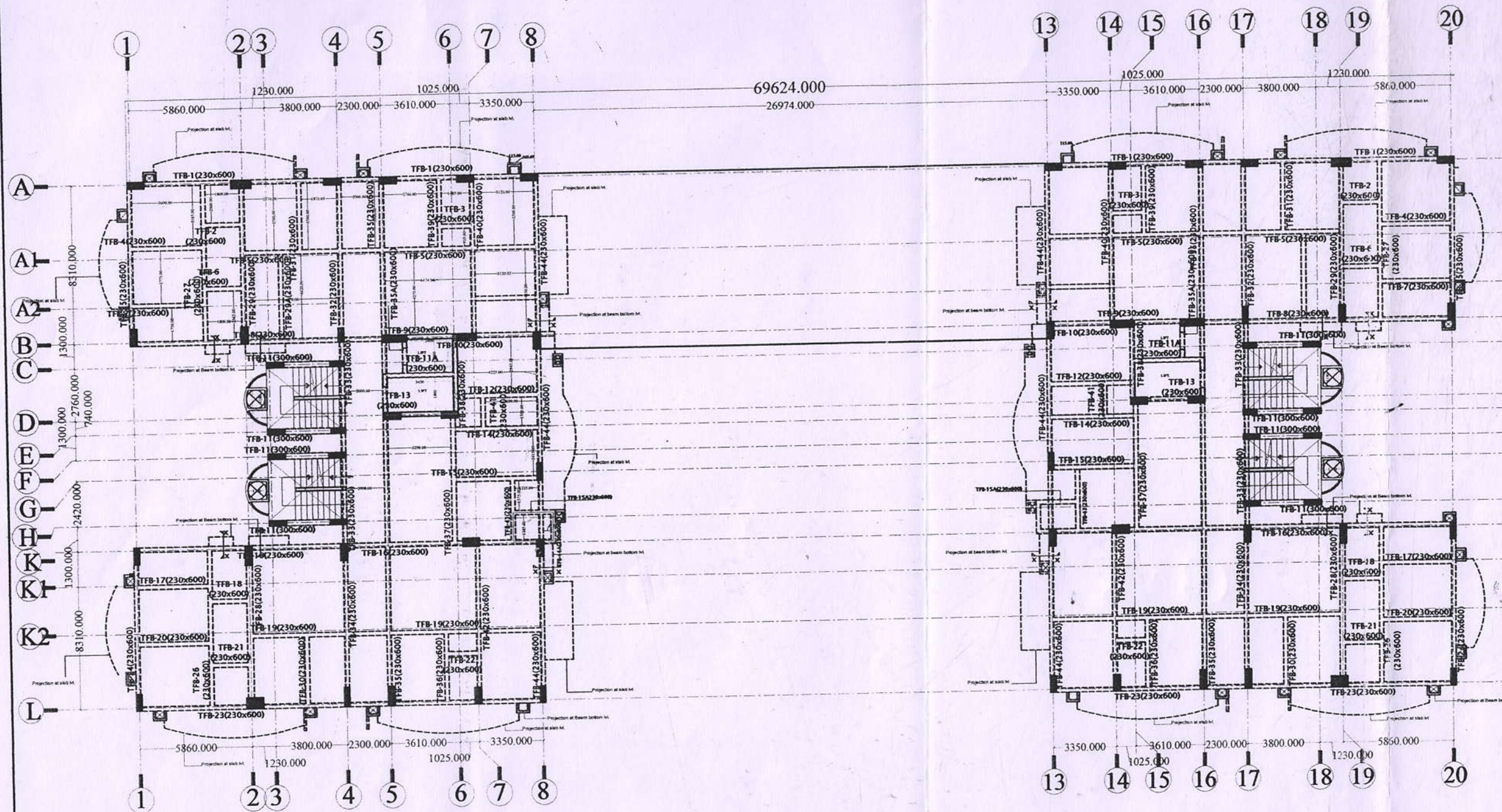
Typical Projection Detail
 (11th Floor To XVth Floor)

AXIS

8-A, KAILASH PATH, SURYA NAGAR,
 CIVIL LINES, JAIPUR
 PH: 0141-2221035, 9826093373
 E-Mail: axisengg@rediffmail.com

Manoj
MANOJ BISHNOI
 Architect
 Reg. No. CA/99/25277

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
4. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 200# C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE -

PARTICULAR	BOTTOM	TOP	SIDES
RETAINING WALL	3/4"(20MM)	2/3"(15MM)	2"(50MM)
COLUMNS	2"(50MM)	2"(50MM)	2"(50MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER	1"(25MM)	1"(25MM)	1"(25MM)

Pawan
PAWAN KUMAR
 ASSOCIATE MEMBER
 Institution of Engineers (India)
 AM-1005861

PROPOSED GROUP HOUSING
 COMPLEX AT SURYA NAGAR,
 ALWAR, RAJASTHAN

Terrace floor Beam Plan

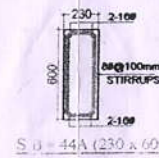
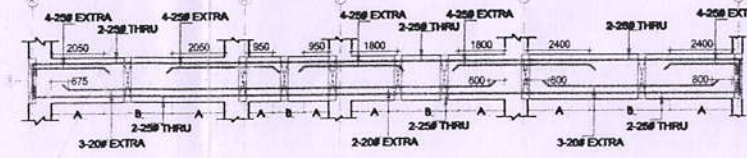
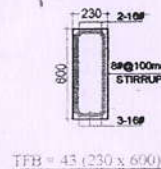
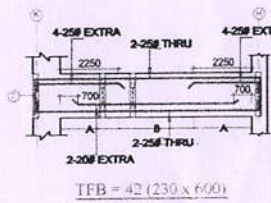
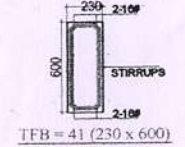
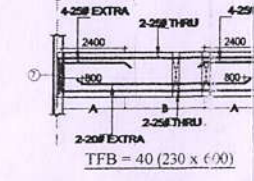
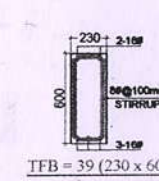
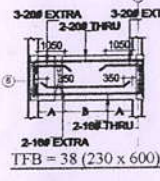
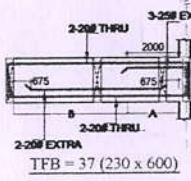
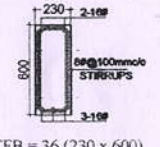
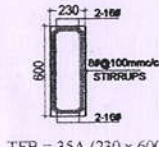
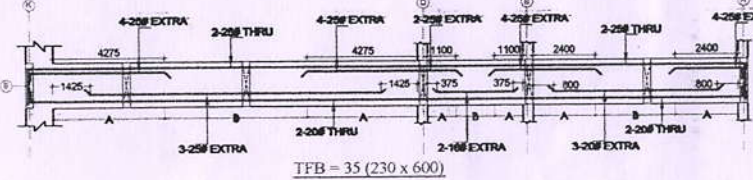
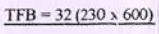
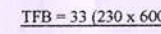
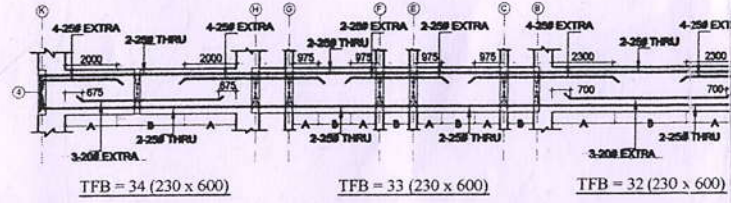
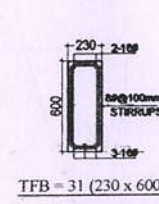
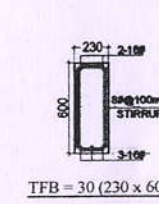
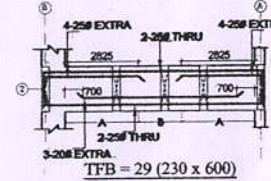
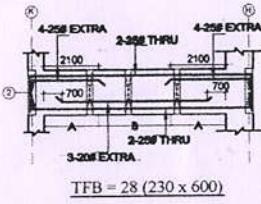
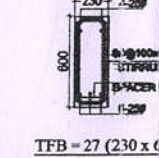
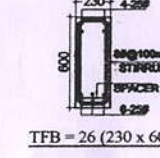
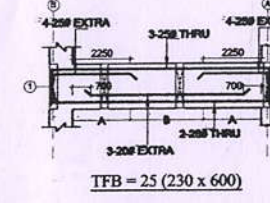
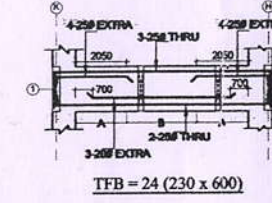
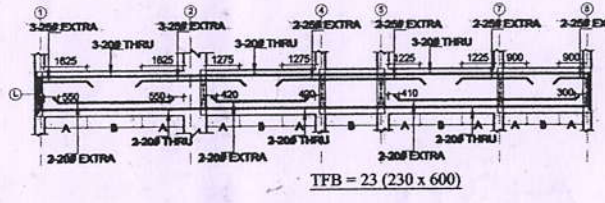
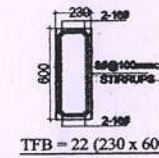
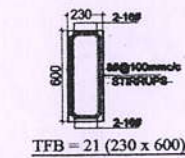
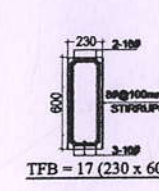
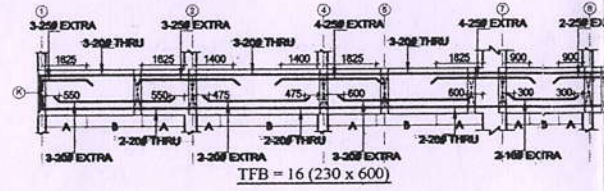
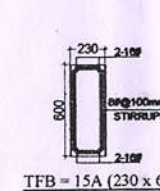
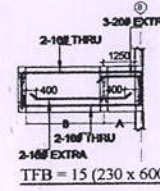
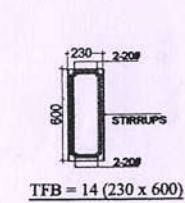
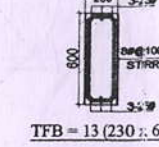
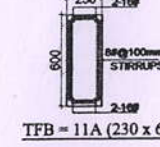
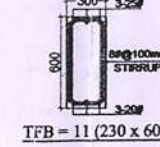
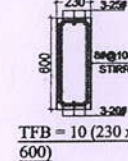
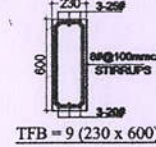
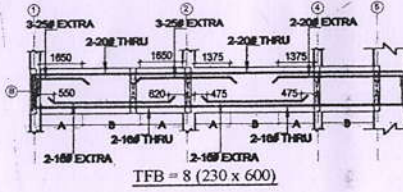
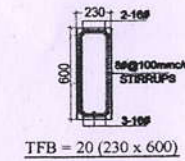
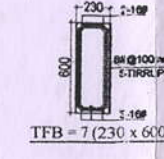
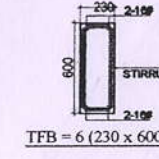
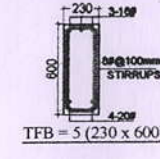
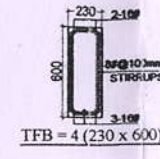
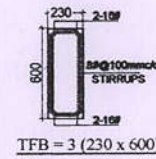
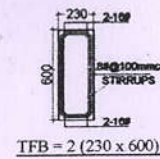
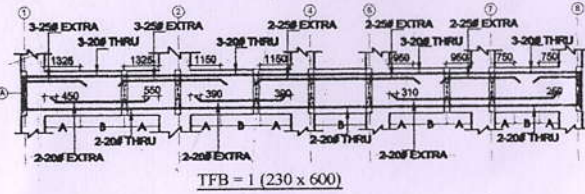
AXIS
 8-AKASHI PATEL SURYA NAGAR (W)
 CIVIL ENGINEERING
 PH: 9241-2221035, 9820553073
 E-Mail: axisarchitects@gmail.com

STR-SFR-1

M. J.
ANNOJ BISHNOI
 Architect
 CA-9925277

Terrace floor Beam Plan
 (TERRACE PLAN)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



Terrace floor Beam Detail

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
- ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW:

Ld	Ldc
47d	36d

- TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8mm²/C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(16MM)	2"(50MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1/2"(12MM) (EARTH SIDE) 3/4"(20MM) (IN SIDE)
COLUMNS	1"(25MM)	1"(25MM)	1/2"(12MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1/2"(12MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK			ON WATER FACE 1/2"(12MM) (ON EARTH SIDE) MORE APPLICABLE

Pawan
PAWAN KUMAR
ASSOCIATE MEMBER
Institution of Engineers (India)
AM1905861

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

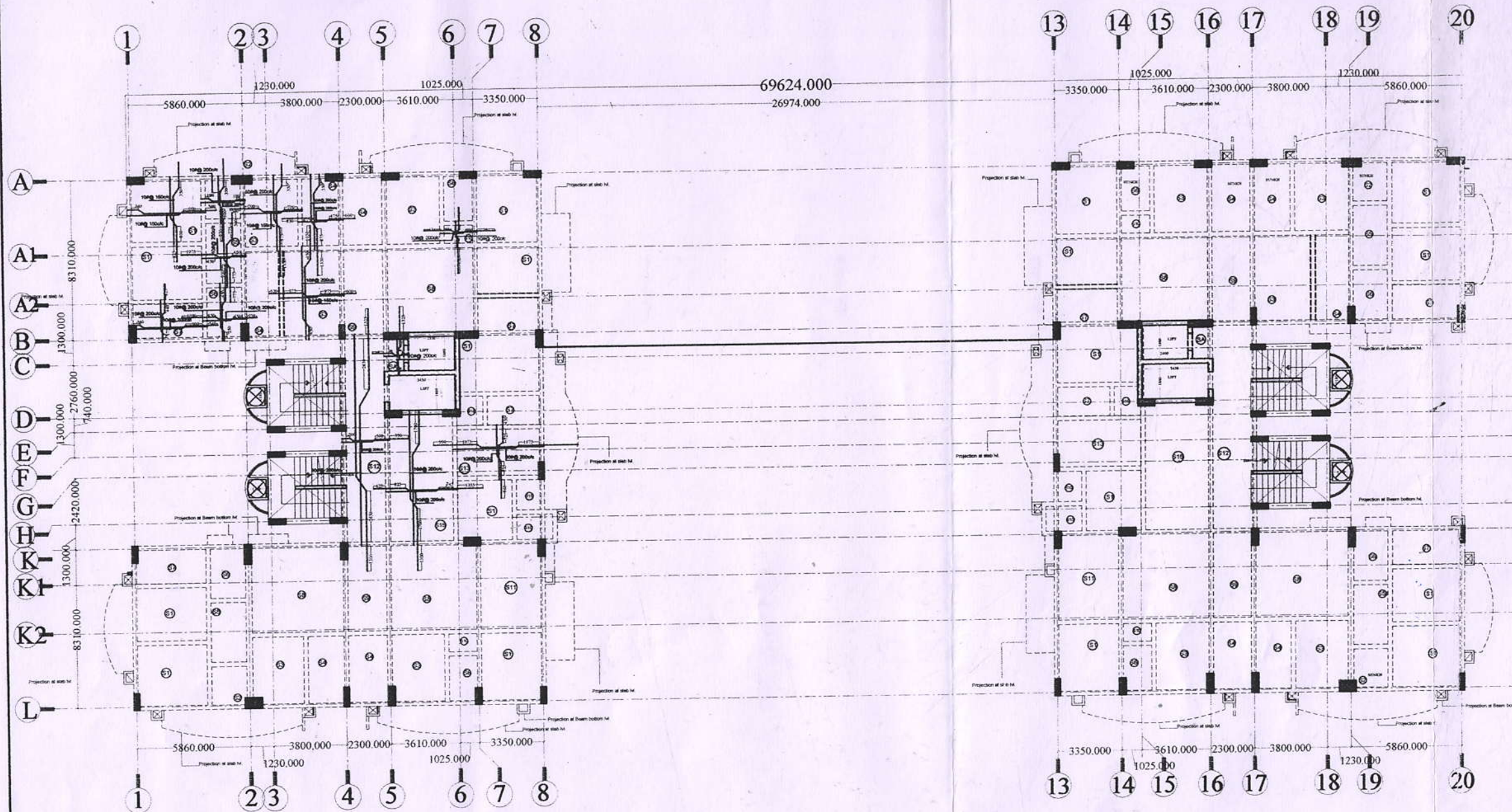
Terrace Beam Detail



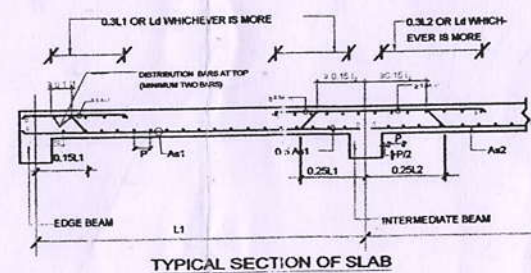
AXIS

RAJESH KUMAR
CIVIL ENGINEER
P: 91-91-2211015, 960464372
E-Mail: rajeshkumar@axisindia.com

Manoj
MANOJ BISHNOI
Architect
CA/99/2527



Terrace Slab Reinf. Detail



SLAB THICKNESS = 150 mm UNO

NOTE:
1. Details for Reinforcement Along Outer Edge
2. Details for Reinforcement Along Inner Edge

NOTE:
At discontinuity edge of slab extra reinforcement @ 200mm shall be provided unless otherwise specified at top

3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.

4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

- HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
- LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
- LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
- TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED @ 200mm C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

- NOMINAL SIZE OF CRUSHED STONE GRADED AGGREGATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
- GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
- CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE -

PARTICULAR	BOTTOM	TOP	SIDES
	1/4" (5MM)	2/3" (15MM)	2" (50MM)
	2" (50MM)	2" (50MM)	2" (50MM)
RETAINING WALL		1" (25MM)	1 1/2" (40MM) (EARTH SIDE) 3/4" (20MM) (W SIDE)
COLLARS	1" (25MM)	1" (25MM)	1 1/2" (40MM)
BEAMS, LINTEL	1" (25MM)	1" (25MM)	1" (25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER			1 1/2" (40MM) ON WATER FACE 1" (25MM) (ON EARTH SIDE) WHERE APPLICABLE

Pawan
PAWAN KUMAR
ASSOCIATE MEMBER
Institution of Engineers (India)
AM 1995681

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

Terrace Slab Reinf. Detail

AXIS
B-1, KAILASH PATH, SURYA NAGAR
CIVIL ENGINEERING
PH: 94141-22101, 94141-22102
E-Mail: axisengg@yahoo.co.in

ST. 1/1

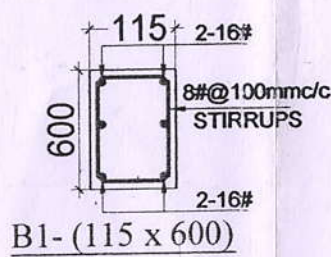
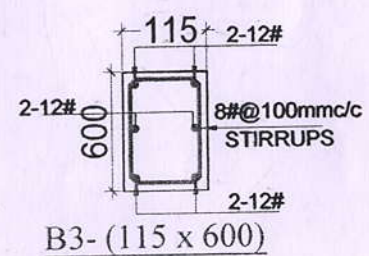
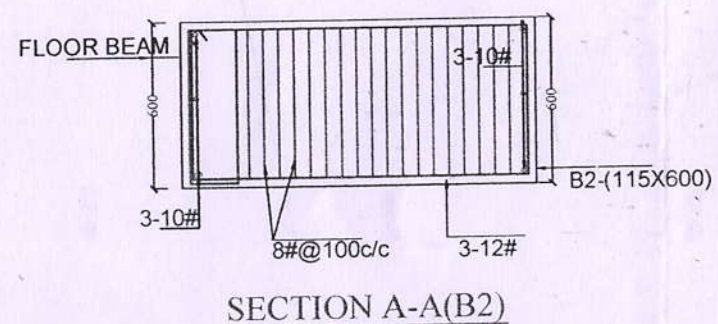
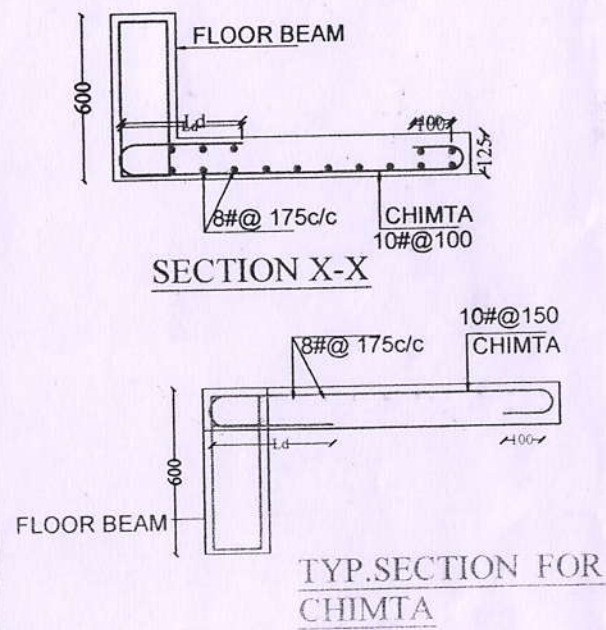
M. Bishnoi
M. BISHNOI
Architect
No. CA/09/25277

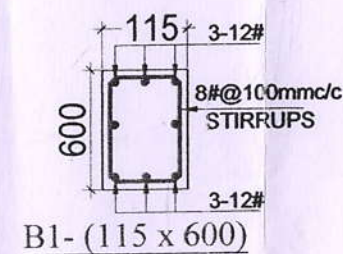
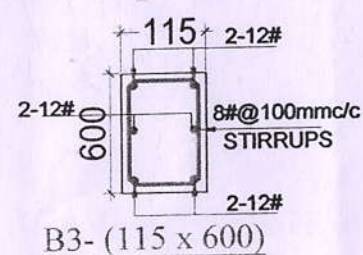
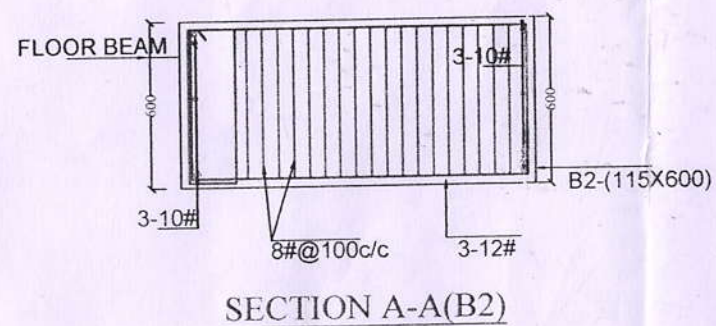
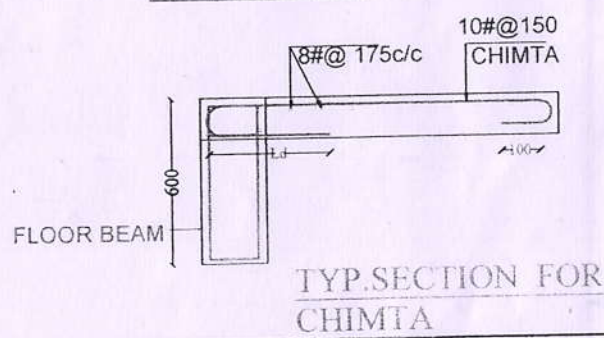
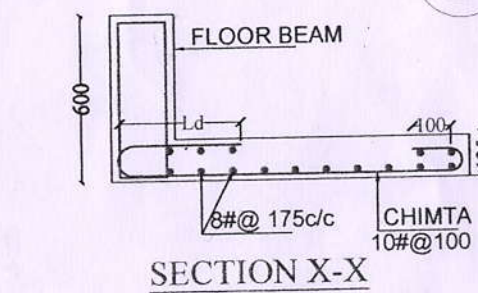
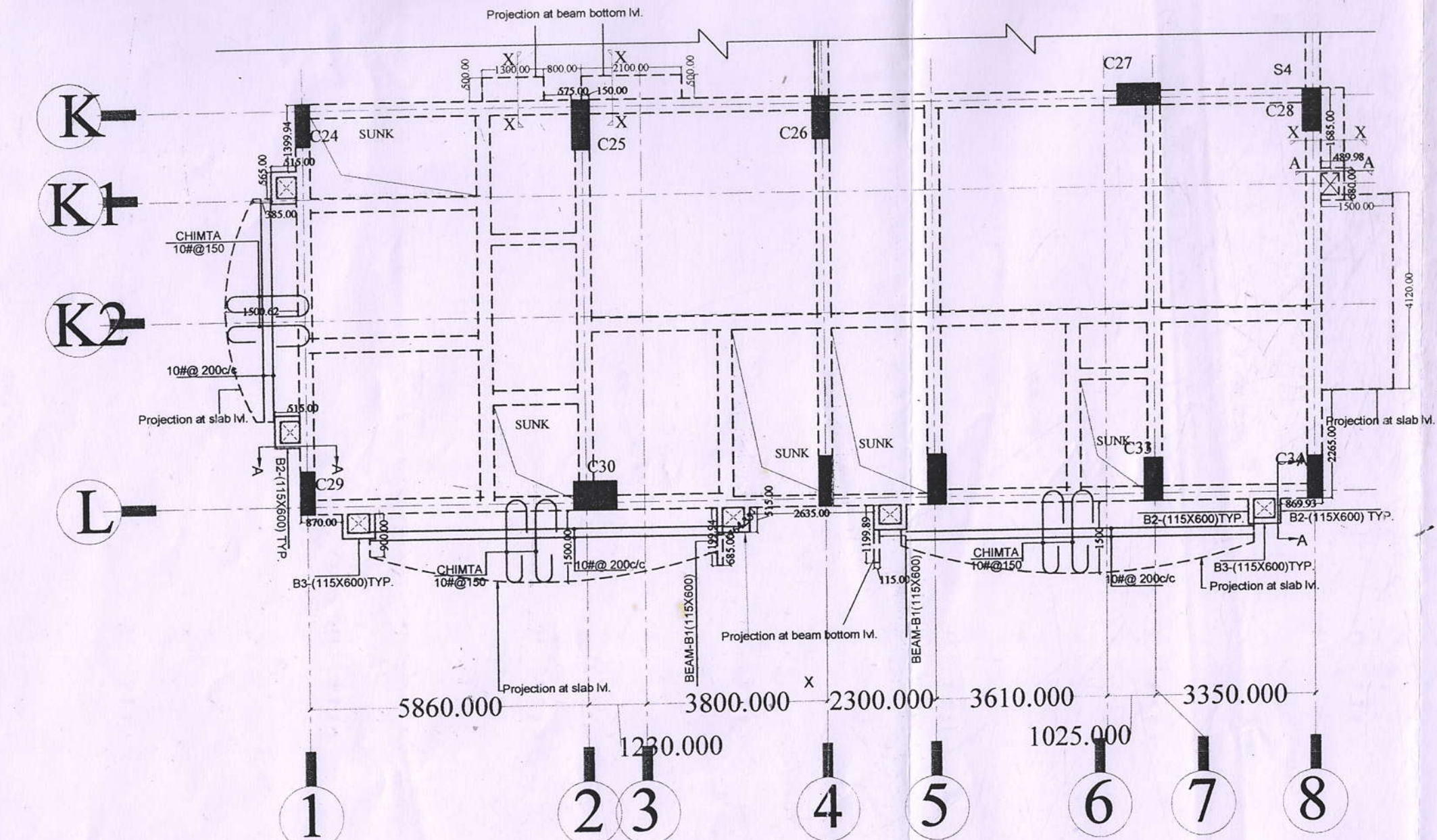
Projection at beam bottom lvl.



PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM)	2/3"(15MM)	
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL		1"(25MM)	1 1/2"(40MM) (EARTH SIDE) 3/4"(20MM) (IN SIDE)
COLUMNS			1 1/2"(40MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK			1"(25MM) ON WATER FACE 1 1/2"(40MM) (ON EARTH SIDE) WHERE APPLICABLE

MAHOJ BISHNOI
Architect
CA/09/25277





3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING. ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN. OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS**
1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 415 N/MM² CONFORMING TO IS 1786-1985, SHALL BE USED.
 2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
 3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
 4. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8# @ 200 C/C UNLESS OTHERWISE MENTIONED.

CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED ACCORDING TO IS 8:125 SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	5/4"(125MM)	5/4"(125MM)	5/4"(125MM)
FOOTING	2"(50MM)	2"(50MM)	2"(50MM)
RETAINING WALL	1"(25MM)	1"(25MM)	1/2"(12MM) (EARTH SIDE) 5/4"(125MM) (IN SIDE)
COLUMNS	1"(25MM)	1"(25MM)	1/2"(12MM)
BEAMS, LINTEL	1"(25MM)	1"(25MM)	1"(25MM)
WALLS/FLOOR SLAB & ROOF SLAB OF WATER TANK	2"(50MM)	2"(50MM)	1/2"(12MM) (ON EXTH. SIDE) WHERE APPLICABLE

Pawan
PAWAN KUMAWAT
ASSOCIATE MEMBER
Institution of Engineers (India)
A.M.1005661

PROPOSED GROUP HOUSING
COMPLEX AT SURYA NAGAR,
ALWAR, RAJASTHAN

Terrace Projection Detail

AXIS
S. K. KAILASH PATH, SURYA NAGAR
CIVIL ENGINEER, JAIPUR
PH: 0141-2221035, 9826053173
E-Mail: axisengineers@gmail.com