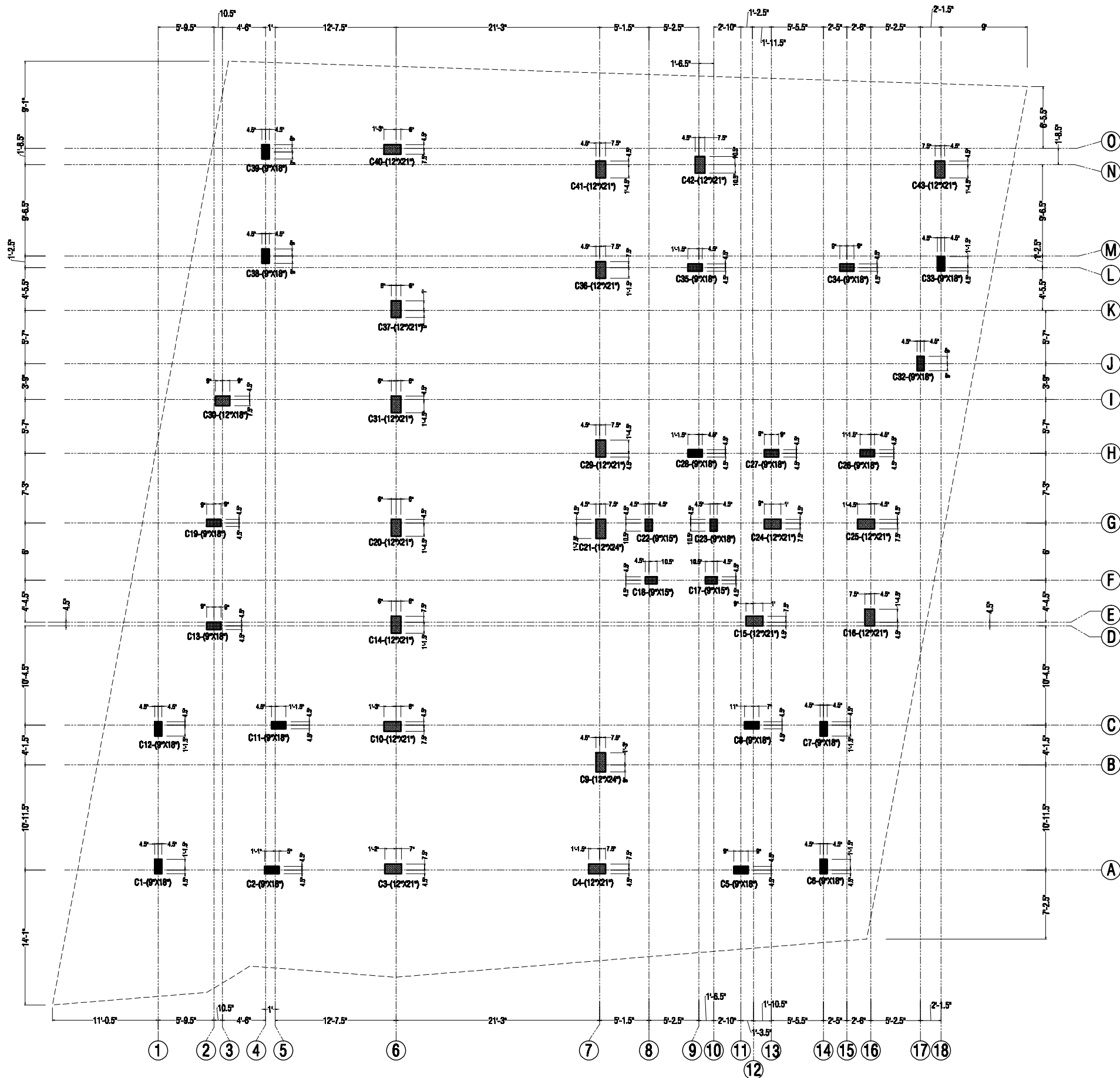




SCHEDULE OF COLUMNS.
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM.

- NOTE :**
1. ALL THE DIMENSIONS ARE IN FEET AND INCHES ONLY. DO NOT MEASURE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
 2. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 3. USE SUPER PLASTICIZER CERAPLAST 300 @ 300ml PER BAG TO IMPROVE WORKABILITY, MIXING ALONG WITH 22 LITRES OF WATER.
 4. DEPTH OF SOIL SHOULD BE UPTO HARD STRATA WHERE S.B.C OF SOIL IS 30 T/M² MINIMUM. DESIGN SBC OF SOIL IS-(30 T/M²) AT WHICH DEPTH OF FOUNDATION IS 2.20 METER FROM EXISTING GROUND LEVEL AS PER SOIL REPORT.
 5. FILL THE FOUNDATION PITS WITH SAND GRAVEL MIX (1:3) OR STONE DUST AND GRAVEL MIX (1:3). COMPACTING IN LAYERS OF 6" THICK EACH UPTO A DEPTH OF 12 INCHES BEFORE LAYING P.C.C.
 6. LAPPING OF BARS SHOULD BE STAGGERED. NOT MORE THAN 50% OF BARS SHOULD BE LAPPED AT A JOINT.
 7. CLEAR COVER FOR FOOTINGS SHOULD BE 75mm. COVER FOR COLUMNS 40mm. COVER FOR BEAMS 25mm. COVER FOR SLABS 20mm.
 8. ENSURE THOROUGH COMPACTION OF ALL R.C.C MEMBERS BY MEANS OF VIBRATION. USE PIN AND FLAT VIBRATOR THOROUGHLY WHERE EVER NECESSARY.
 9. GRADE OF CONCRETE : M20 (1:1.5:3) - 20N/SQ.mm COMPRESSIVE STRENGTH, DESIGN GRADE OF STEEL : FE-415 TMT (Y=415 N/SQ.mm). USE ORDINARY PORTLAND CEMENT (OPC) OF 53 GRADE FOR ALL STRUCTURAL MEMBERS. USE PORTLAND POZZOLANA CEMENT (PPC) 53/43 GR MASONRY & PLASTERING PURPOSE.

STILT + FIRST FLOOR REINFORCEMENT DETAILS.				
DESIGNED FOR : STILT+4		S.B.C : 80 T/sq.m at 2.20 m depth		
STEEL : Fe 510 N/sq.mm		CONCRETE : M30 N/sq.mm		
S.NO	BEARING COLUMN NUMBERS	SIZE (mm) IN INCHES	NOS	REINFORCEMENT
1.	C6,C7,C17,C18,C22,C23,C30	9x18" 9x18"	7	15/18" 9" 8-18+4-12 Y8 STRP @6°C/C
2.	C1,C2,C5,C12,C22,C23,C24,C25,C26	9x18"	9	18" 9" 8-18+4-12 Y8 STRP @6°C/C
3.	C24,C25,C26,C27,C28	9x18" 12x21"	5	18/21" 9/12" 4-20+6-18 Y8 STRP @6°C/C
4.	C3,C4,C8,C11,C13,C18,C30	9x18" 12x18" 12x21"	7	18/21" 9/12" 8-18+4-12 Y8 STRP @6°C/C
5.	C40,C41,C42,C43	12x21"	4	21" 12" 4-20+6-18 Y8 STRP @6°C/C
6.	C10,C14,C15,C16,C20,C28, C31,C36,C37,C40	12x21"	10	21" 12" 8-18+6-18 Y8 STRP @6°C/C
7.	C9,C21	12x24"	2	24" 12" 8-20+4-18 Y8 STRP @6°C/C
8.	DUMMY COLUMN -DC	9x12"	3	12" 9" 6-Y12 Y8 STRP @6°C/C

S

N

E

W

ARCHITECTS :

SCC

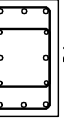
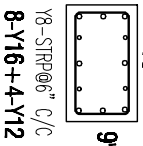
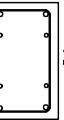
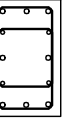
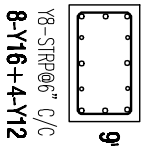
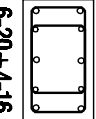
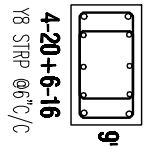
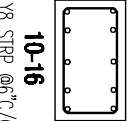
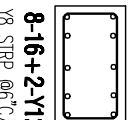
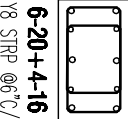
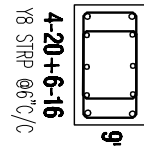
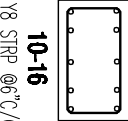
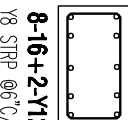
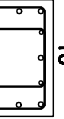
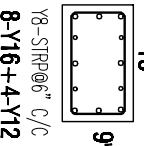
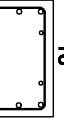
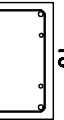
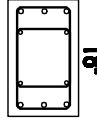
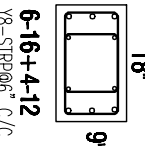
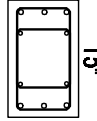
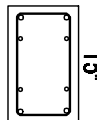
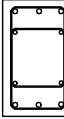
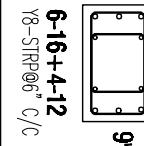
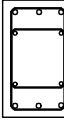
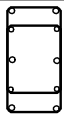
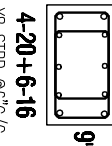
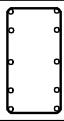
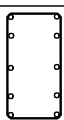
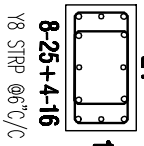
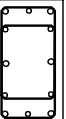
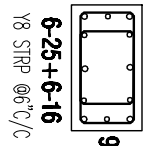
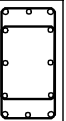
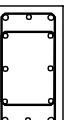
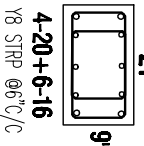
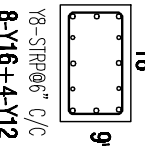
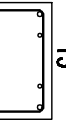
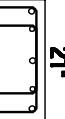
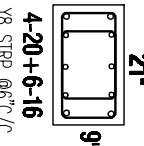
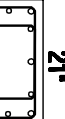
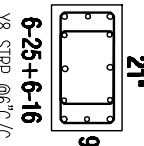
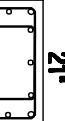
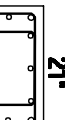
ENGINEERS

Architects
Structural Engineers
Contractors

6D, II Floor ,Manasarovar,SRCM. MainRoad ,
Landmark Babuji Memorial Ashram,Manapakkam,
,Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.

FILE	P-214/CHN/VVA-AGS	REV :3
DATE :	13-09-2025	SCALE : 1: 100

STILT TO THIRD FLOOR COLUMN REINFORCEMENT (KRISHANA KUMARI)
DESIGNED FOR : STILT+GROUND FL. S.B.C : 30 T/sq.m at 3.00 m depth
STEEL : Fe 510 N/sq.mmm CONCRETE : M25 N/sq.mmm

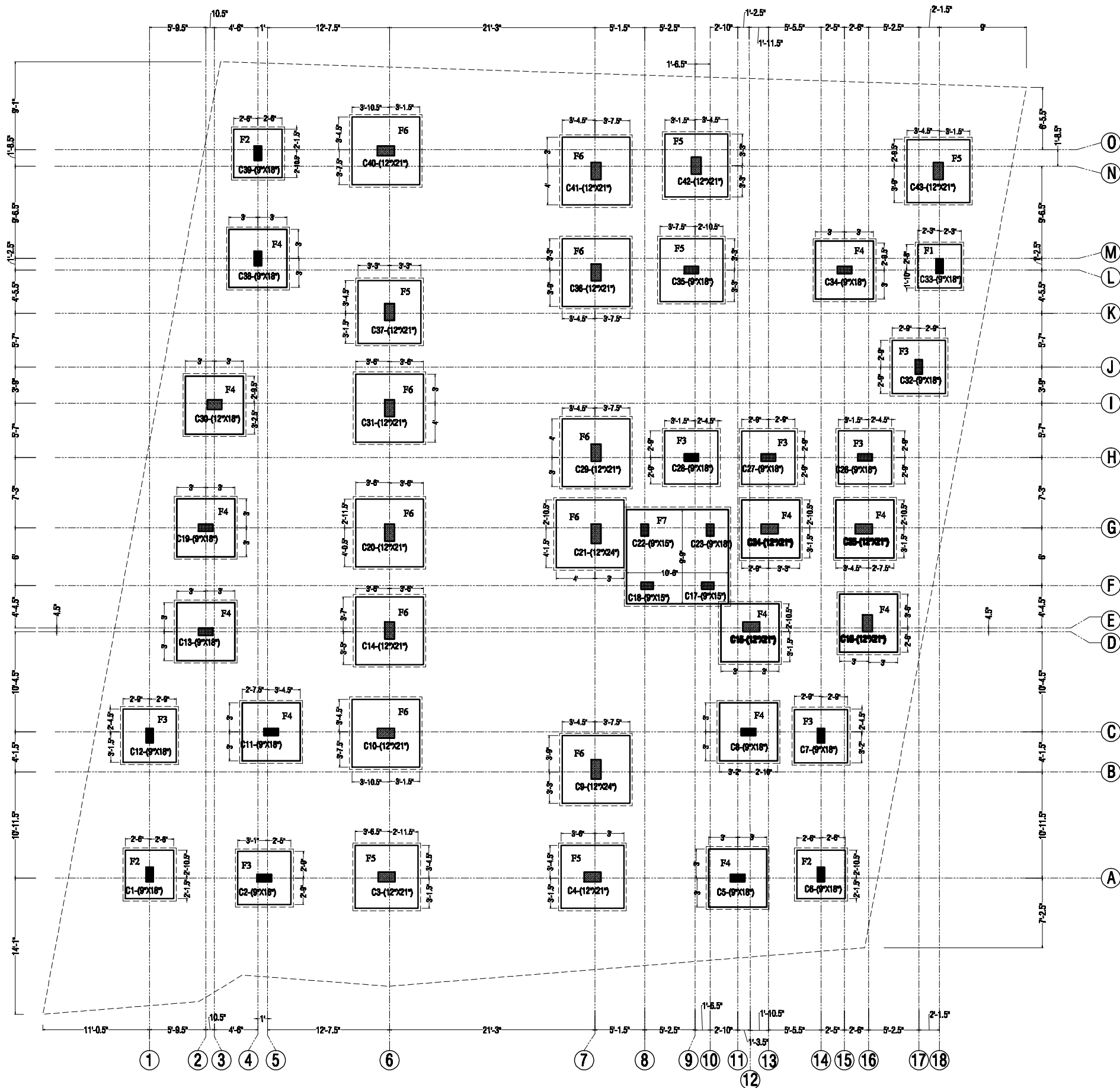
S.NO	BEARING COLUMN NUMBERS	SIZE (ød) IN INCHES (SIZE IN STILT)	NOS	REINFORCEMENT (STILT)	REINFORCEMENT (FIRST)	REINFORCEMENT (SECOND)	REINFORCEMENT (THIRD)
1.	C1	9"x18"	1	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12	 15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12
2.	C2	9"x18"	1	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12	 15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12
3.	C3	12"x21"	1	 21" 12" 6-20+4-16 Y8 S1RP @6"C/C	 21" 9" 4-20+6-16 Y8 S1RP @6"C/C	 16" 9" 10-16 Y8 S1RP @6"C/C	 18" 9" 8-16+2-Y12 Y8 S1RP @6"C/C
4.	C4	12"x21"	1	 21" 12" 6-20+4-16 Y8 S1RP @6"C/C	 21" 9" 4-20+6-16 Y8 S1RP @6"C/C	 16" 9" 10-16 Y8 S1RP @6"C/C	 18" 9" 8-16+2-Y12 Y8 S1RP @6"C/C
5.	C5	9"x18"	1	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12	 15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12
6.	C6	9"x18"	1	 18" 9" 6-16+4-12 Y8-S1RP@6" C/C	 18" 9" 6-16+4-12 Y8-S1RP@6" C/C	 15" 9" 6-16+4-12 Y8-S1RP@6" C/C	 15" 9" 4-16+4-12 Y8-S1RP@6" C/C
7.	C7	9"x18"	1	 18" 9" 6-16+4-12 Y8-S1RP@6" C/C	 18" 9" 6-16+4-12 Y8-S1RP@6" C/C	 15" 9" 6-16+4-12 Y8-S1RP@6" C/C	 15" 9" 4-16+4-12 Y8-S1RP@6" C/C
8.	C8	12"x21"	1	 21" 12" 6-20+4-16 Y8 S1RP @6"C/C	 21" 9" 4-20+6-16 Y8 S1RP @6"C/C	 16" 9" 10-16 Y8 S1RP @6"C/C	 15" 9" 4-16+6-Y12 Y8 S1RP @6"C/C
9.	C9	12"x24"	1	 24" 12" 8-25+4-16 Y8 S1RP @6"C/C	 24" 12" 8-25+4-16 Y8 S1RP @6"C/C	 21" 12" 4-25+4-Y20+4-16 Y8 S1RP @6"C/C	 21" 9" 4-25+8-Y16 Y8 S1RP @6"C/C
10.	C10	12"x21"	1	 21" 12" 6-25+6-16 Y8 S1RP @6"C/C	 21" 9" 6-25+6-16 Y8 S1RP @6"C/C	 21" 9" 4-25+8-16 Y8 S1RP @6"C/C	 21" 9" 4-20+8-16 Y8 S1RP @6"C/C
11.	C11	12"x21"	1	 21" 12" 6-20+4-16 Y8 S1RP @6"C/C	 21" 9" 4-20+6-16 Y8 S1RP @6"C/C	 16" 9" 10-16 Y8 S1RP @6"C/C	 18" 9" 8-16+2-Y12 Y8 S1RP @6"C/C
12.	C12	9"x18"	1	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12	 18" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12	 15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12
13.	C13	12"x21"	1	 21" 12" 6-20+4-16 Y8 S1RP @6"C/C	 21" 9" 4-20+6-16 Y8 S1RP @6"C/C	 16" 9" 10-16 Y8 S1RP @6"C/C	 18" 9" 8-16+2-Y12 Y8 S1RP @6"C/C
14.	C14	12"x21"	1	 21" 12" 6-25+6-16 Y8 S1RP @6"C/C	 21" 9" 6-25+6-16 Y8 S1RP @6"C/C	 21" 9" 4-25+8-16 Y8 S1RP @6"C/C	 21" 9" 4-20+8-16 Y8 S1RP @6"C/C

STILT TO THIRD FLOOR COLUMN REINFORCEMENT (KRISHANA KUMARI)
DESIGNED FOR : STILT+6F
STEEL : Fe 510 Nsq/mm

S.B.C : 30 T/sq.m at 3.00 m depth
CONCRETE : M25 Nsq/mm

S.NO	BEARING COLUMN NUMBERS	SIZE (axd) IN INCHES (SIZE IN STILT)	NOS	REINFORCEMENT (STILT + FIRST)	REINFORCEMENT (FIRST)	REINFORCEMENT (SECOND)	REINFORCEMENT (THIRD)
15.	C15	12"x21"		21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
16.	C16	12"x21"		21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
17.	C17	9"x15"		15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	15" 9" 4-16+4-12 Y8-S1RP@6" C/C 9"x15"
18.	C18	9"x15"		15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	15" 9" 4-16+4-12 Y8-S1RP@6" C/C 9"x15"
19.	C19	12"x21"	1	21" 12" 6-20+4-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"	16" 9" 8-16+2-Y12 Y8 STRP @6"C/C 9"x18"
20.	C20	12"x21"	1	21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
21.	C21	12"x24"	1	24" 12" 8-25+4-16 Y8 STRP @6"C/C 12" X 24"	24" 12" 8-25+4-16 Y8 STRP @6"C/C 12" X 24"	21" 12" 4-25+4-Y20+4-16 Y8 STRP @6"C/C 12" X 21"	21" 9" 4-25+8-Y16 Y8 STRP @6"C/C 9" X 21"
22.	C22	9"x15"	1	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	9" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	9" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	12" 9" 4-16+4-12 Y8-S1RP@6" C/C 9"x12"
23.	C23	9"x15"	1	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	9" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	9" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	12" 9" 4-16+4-12 Y8-S1RP@6" C/C 9"x12"
24.	C24	12"x21"	1	21" 12" 4-20+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"	15" 9" 6-16+4-Y12 Y8 STRP @6"C/C 9"x15"
25.	C25	12"x21"	1	21" 12" 4-20+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"	15" 9" 6-16+4-Y12 Y8 STRP @6"C/C 9"x15"
26.	C26	12"x21"	1	21" 12" 4-20+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"	15" 9" 6-16+4-Y12 Y8 STRP @6"C/C 9"x15"
27.	C27	12"x21"	1	21" 12" 4-20+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"	15" 9" 6-16+4-Y12 Y8 STRP @6"C/C 9"x15"
28.	C28	12"x21"	1	18"x21" 9"x12" 4-20+6-16 Y8 STRP @6"C/C 9"x18"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x18"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"

STILT TO THIRD FLOOR COLUMN REINFORCEMENT (KRISHANA KUMARI)							
DESIGNED FOR : STILT+GF			S.B.C : 30 T/sq.m at 3.00 m depth				
STEEL : Fe 510 N/sq.mmm			CONCRETE : M25 N/sq.mmm				
S.NO	BEARING COLUMN NUMBERS	SIZE (extd) IN INCHES (SIZE IN STILT)	NOS	REINFORCEMENT (STILT + FIRST)	REINFORCEMENT (FIRST)	REINFORCEMENT (SECOND)	REINFORCEMENT (THIRD)
29	C29	12"x21"	1	21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
30.	C30	12"x21"	1	21" 12" 6-20+4-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-20+6-16 Y8 STRP @6"C/C 9"x21"	18" 9" 10-16 Y8 STRP @6"C/C 9"x18"	18" 9" 8-16+2-Y12 Y8 STRP @6"C/C 9"x18"
31.	C31	12"x21"	1	21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
32.	C32	9"x18"	1	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12 9"x18"	15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12 9"x15"
33.	C33	9"x18"	1	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	15" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12 9"x15"	15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12 9"x15"
34.	C34	9"x18"	1	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	15" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12 9"x15"	15" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12 9"x15"
35.	C35	9"x18"	1	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"
36.	C36	12"x21"	1	21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
37.	C37	12"x21"	1	21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
38.	C38	9"x18"	1	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 8-Y16+4-Y12 9"x18"	18" 9" Y8-S1RP@6" C/C 6-Y16+4-Y12 9"x18"	15" 9" Y8-S1RP@6" C/C 4-Y16+4-Y12 9"x15"
39.	C39	9"x15"	1	15" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	9" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	9" 9" 6-16+4-12 Y8-S1RP@6" C/C 9"x15"	12" 9" 4-16+4-12 Y8-S1RP@6" C/C 9"x12"
40.	C40	12"x21	1	21" 12" 6-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 6-25+6-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+8-16 Y8 STRP @6"C/C 9"x21"	21" 9" 4-20+8-16 Y8 STRP @6"C/C 9"x21"
41.	C41	12"x21	1	21" 12" 4-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-25+4-16+2-Y12 Y8 STRP @6"C/C 9"x21"	18" 9" 4-20+4-16+2-Y12 Y8 STRP @6"C/C 9"x18"	18" 9" 8-16+2-Y12 Y8 STRP @6"C/C 9"x18"
42/43.	C42&C43	12"x21	1	21" 12" 4-25+6-16 Y8 STRP @6"C/C 12"x21"	21" 9" 4-25+4-16+2-Y12 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+4-16+2-Y12 Y8 STRP @6"C/C 9"x21"	21" 9" 4-25+4-16+2-Y12 Y8 STRP @6"C/C 9"x21"



SCHEDULE OF FOOTINGS.
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM.

- NOTE :**
1. ALL THE DIMENSIONS ARE IN FEET AND INCHES ONLY. DO NOT MEASURE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
 2. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 3. USE SUPER PLASTICIZER CERAPLAST 300 @ 300ml PER BAG TO IMPROVE WORKABILITY, MIXING ALONG WITH 22 LITRES OF WATER.
 4. DEPTH OF SOIL SHOULD BE UPTO HARD STRATA WHERE S.B.C OF SOIL IS 30 T/M² MINIMUM. DESIGN SBC OF SOIL IS-(30 T/M²) AT WHICH DEPTH OF FOUNDATION IS 3.00 METER FROM EXISTING GROUND LEVEL AS PER SOIL REPORT.
 5. FILL THE FOUNDATION PITS WITH SAND GRAVEL MIX (1:3) OR STONE DUST AND GRAVEL MIX (1:3). COMPACTING IN LAYERS OF 6" THICK EACH UPTO A DEPTH OF 12 INCHES BEFORE LAYING P.C.C.
 6. LAPPING OF BARS SHOULD BE STAGGERED. NOT MORE THAN 50% OF BARS SHOULD BE LAPPED AT A JOINT.
 7. CLEAR COVER FOR FOOTINGS SHOULD BE 75mm. COVER FOR COLUMNS 40mm. COVER FOR BEAMS 25mm. COVER FOR SLABS 20mm.
 8. ENSURE THOROUGH COMPACTION OF ALL R.C.C MEMBERS BY MEANS OF VIBRATION. USE PIN AND FLAT VIBRATOR THOROUGHLY WHERE EVER NECESSARY.
 9. GRADE OF CONCRETE M20 (1:1.5:3) - 20N/SQ.MM COMPRESSIVE STRENGTH. DESIGN GRADE OF STEEL FE-415 TMT (Y=415 N/SQ.MM). USE ORDINARY PORTLAND CEMENT (OPC) OF 53 GRADE FOR ALL STRUCTURAL MEMBERS. USE PORTLAND POZZOLANA CEMENT (PPC) 53/43 GR MASONRY & PLASTERING PURPOSE.

STRUCTURE DESIGNED FOR: STILT+3. GRADE OF CONCRETE : M25 (NOMINAL MIX-(1:1.5:3)) GRADE OF STEEL : Fe510 (510 Nsq/mm) SAFE BEARING CAPACITY OF SOIL -30 T/SQ.M(T DEPTH OF FOUNDATION - 2.20 M).		FOOTING REINFORCEMENT		PEDESTAL SIZES		TOTAL DEPTH AT CENTRE D	DEPTH AT TOE T	BEARING COLUMNS.	FOOTING TYP & SIZE	S.NO
		SIZE	HEIGHT (E)	SIZE	HEIGHT (E)					
		---	---	---	---	27"	27"	C38	(F1.) 40"x40"	1.
		---	---	---	---	30"	30"	C1,C2,C39	(F2.) 50"x50"	2.
		---	---	---	---	30"	30"	C2,C7,C12,C26,C27,C28,C32	(F3.) 50"x50"	3.
		---	---	---	---	30"	30"	C5,C8,C11,C13,C15,C16,C18,C24,C25,C30,C34,C38	(F4.) 60"x60"	4.
		---	---	---	---	33"	33"	C3,C4,C35,C37,C42,C43	(F5.) 60"x60"	5.
		---	---	---	---	33"	33"	C9,C10,C14,C20,C21,C29,C31,C33,C36,C40,C41	(F6.) 70"x70"	6.
		---	---	---	---	20"	20"	LIFT FOUNDATION	(F7.) 90"x106"	7.
		---	---	---	---	12"	12"	DUMMY FOOTING	(DF.) 30"x30"	8.

ARCHITECTS :

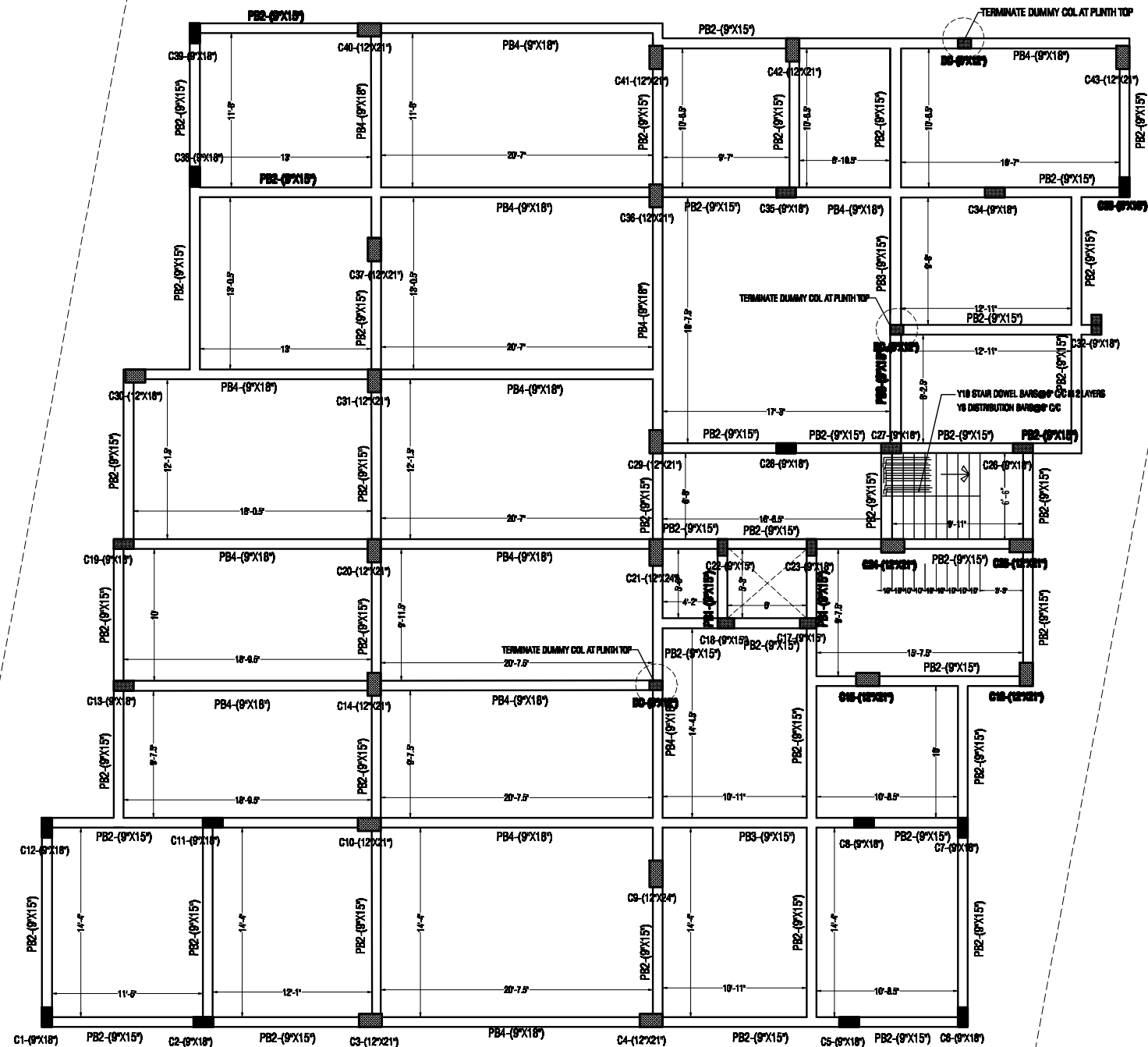
SCC ENGINEERS  Architects
Structural Engineers
Contractors

**# 6D, II Floor ,Manasarovar,SRM. MainRoad ,
Landmark Babuji Memorial Ashram,Manapakkam,
,Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.**

FILE P-214/CHN/VVA-AGS **REV :3**

DATE : 13-09-2025 **SCALE : 1: 100**

N
S  **E**
W



SCHEDULE OF PLINTH BEAMS.

PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

- NOTE :
1. ALL THE DIMENSIONS ARE IN FEET AND INCHES ONLY. DO NOT MEASURE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
 2. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 3. USE SUPER PLASTICIZER CERAPLAST 300 @ 300ml PER BAG TO IMPROVE WORKABILITY, MIXING ALONG WITH 22 LITRES OF WATER.
 4. DEPTH OF SOIL SHOULD BE UPTO HARD STRATA WHERE S.B.C OF SOIL IS 30 T/M² MINIMUM. DESIGN SBC OF SOIL IS-(30 T/M²) AT WHICH DEPTH OF FOUNDATION IS 3.00 METER FROM EXISTING GROUND LEVEL AS PER SOIL REPORT.
 5. FILL THE FOUNDATION PITS WITH SAND GRAVEL MIX (1:3) OR STONE DUST AND GRAVEL MIX (1:3). COMPACTING IN LAYERS OF 6" THICK EACH UPTO A DEPTH OF 12 INCHES BEFORE LAYING P.C.C.
 6. LAPPING OF BARS SHOULD BE STAGGERED. NOT MORE THAN 50% OF BARS SHOULD BE LAPPED AT A JOINT.
 7. CLEAR COVER FOR FOOTINGS SHOULD BE 75mm. COVER FOR COLUMNS 40mm. COVER FOR BEAMS 25mm. COVER FOR SLABS 20mm.
 8. ENSURE THOROUGH COMPACTION OF ALL R.C.C MEMBERS BY MEANS OF VIBRATION. USE PIN AND FLAT VIBRATOR THOROUGHLY WHERE EVER NECESSARY.
 9. GRADE OF CONCRETE: M20 (1:1.5:3) - 20N/50mm COMPRESSIVE STRENGTH. DESIGN GRADE OF STEEL FE-415 TMT (Y=415 N/50mm). USE ORDINARY PORTLAND CEMENT (OPC) OF 53 GRADE FOR ALL STRUCTURAL MEMBERS. USE PORTLAND POZZOLANA CEMENT (PPC) 53/43 GR MASONRY & PLASTERING PURPOSE.

REINFORCEMENT DETAILS OF PLINTH BEAMS.

REINFORCEMENT DETAILS AT VARIOUS SECTIONS IN LONGITUDINAL DIRECTIONS.

SIGN	SECTION AT MID POINT OF BEAM.	SECTION AT BEAM & COLUMN JOINT.
PB1		
PB2		
PB3		
PB4		

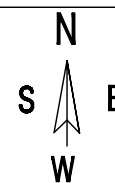
ARCHITECTS :

SCC



Architects
Structural Engineers
Contractors

6D, II Floor, Manasarover, SRGM, Main Road,
Landmark Babuji Memorial Ashram, Manapakkam,
Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.

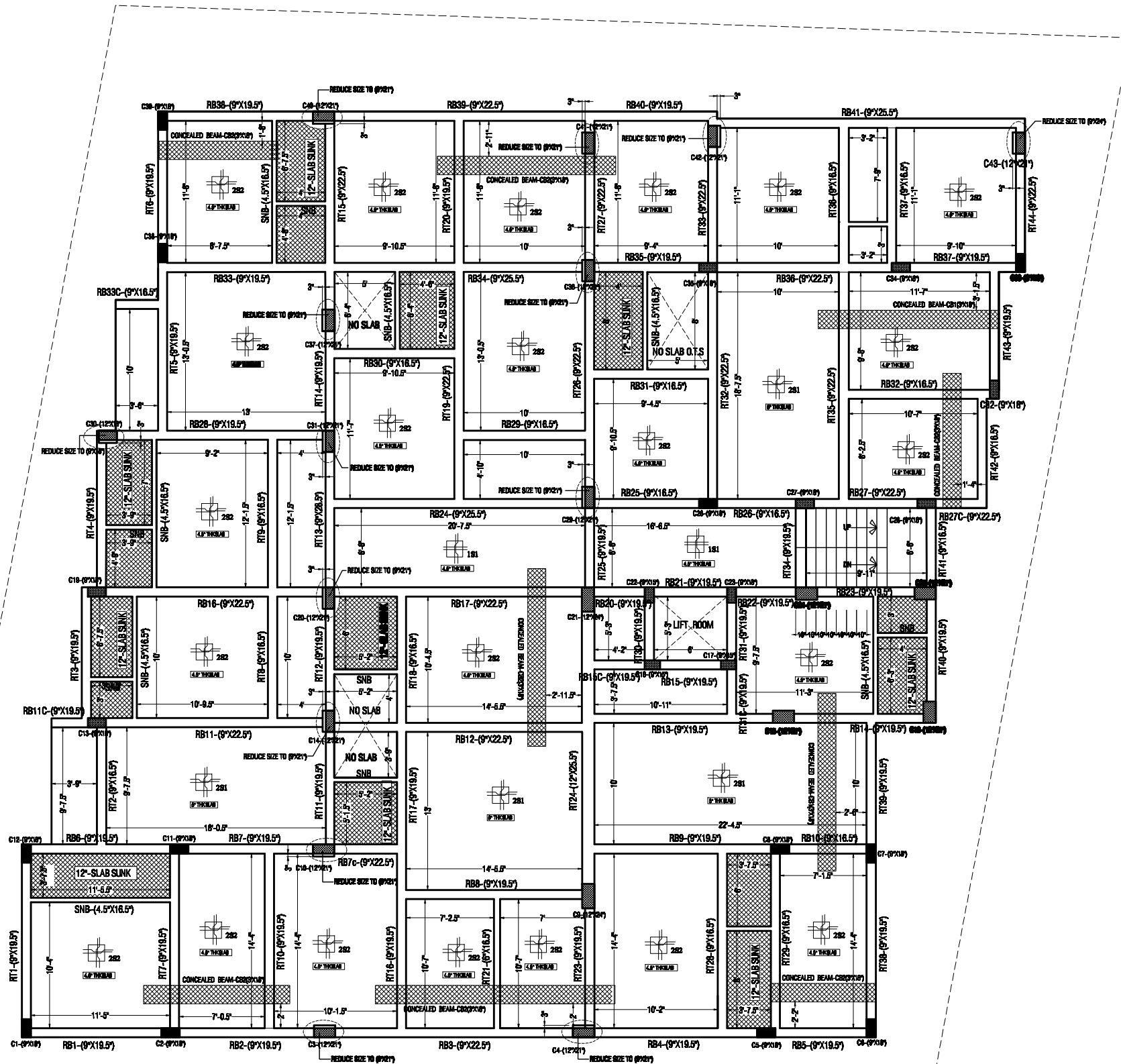


FILE P-214/CHN/VIVA-AGS

DATE : 13-09-2025

REV :3

SCALE : 1: 100



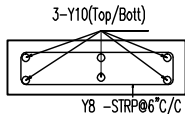
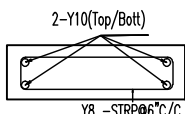
SCHEDULE OF GROUND/STILT FLOOR SLAB.

PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

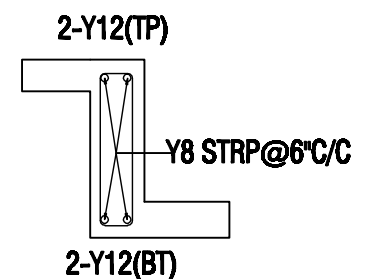
NOTE :

1. ALL THE DIMENSIONS ARE IN FEET AND INCHES ONLY. DO NOT MEASURE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
2. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
3. USE SUPER PLASTICIZER CERAPLAST 300 @ 300ml PER BAG TO IMPROVE WORKABILITY, MIXING ALONG WITH 22 LITRES OF WATER.
4. DEPTH OF SOIL SHOULD BE UPTO HARD STRATA WHERE S.B.C OF SOIL IS 30 T/M² MINIMUM. DESIGN SBC OF SOIL IS-(30 T/M²) AT WHICH DEPTH OF FOUNDATION IS 3.00 METER FROM EXISTING GROUND LEVEL AS PER SOIL REPORT.
5. FILL THE FOUNDATION PITS WITH SAND GRAVEL MIX (1:3) OR STONE DUST AND GRAVEL MIX (1:3). COMPACTING IN LAYERS OF 6" THICK EACH UPTO A DEPTH OF 12 INCHES BEFORE LAYING P.C.C.
6. LAPPING OF BARS SHOULD BE STAGGERED. NOT MORE THAN 50% OF BARS SHOULD BE LAPPED AT A JOINT.
7. CLEAR COVER FOR FOOTINGS SHOULD BE 75mm. COVER FOR COLUMNS 40mm. COVER FOR BEAMS 25mm. COVER FOR SLABS 20mm.
8. ENSURE THOROUGH COMPACTION OF ALL R.C.C MEMBERS BY MEANS OF VIBRATION. USE PIN AND FLAT VIBRATOR THOROUGHLY WHERE EVER NECESSARY.
9. GRADE OF CONCRETE M20 (1:1.5:3) - 20N/SQ.mm COMPRESSIVE STRENGTH. DESIGN GRADE OF STEEL FE-415 TMT (Y=415 N/SQ.mm). USE ORDINARY PORTLAND CEMENT (OPC) OF 53 GRADE FOR ALL STRUCTURAL MEMBERS. USE PORTLAND POZZOLANA CEMENT (PPC) 53/43 GR MASONRY & PLASTERING PURPOSE.

REINFORCEMENT DETAILS OF PLINTH BEAMS. REINFORCEMENT DETAILS AT VARIOUS SECTIONS IN LONGITUDINAL DIRECTIONS.

SLAB REINFORCEMENT		
2S1	TWO WAY SLAB REINFORCEMENT	Y10-@6"C/C along short direction. Y8-@8"C/C along long direction.
2S2	TWO WAY SLAB REINFORCEMENT	Y8-@6"C/C along short direction. Y8-@8"C/C along long direction.
1S1	ONE WAY SLAB REINFORCEMENT	Y8-@6"C/C along short direction. Y8-@8"C/C along long direction.
 CB1-(3"x18")		 CB2-(3"x18")

DETAIL OF SUNKEN BEAM



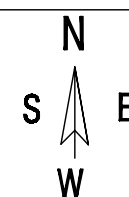
ARCHITECTS :

SCC
ENGINEERS

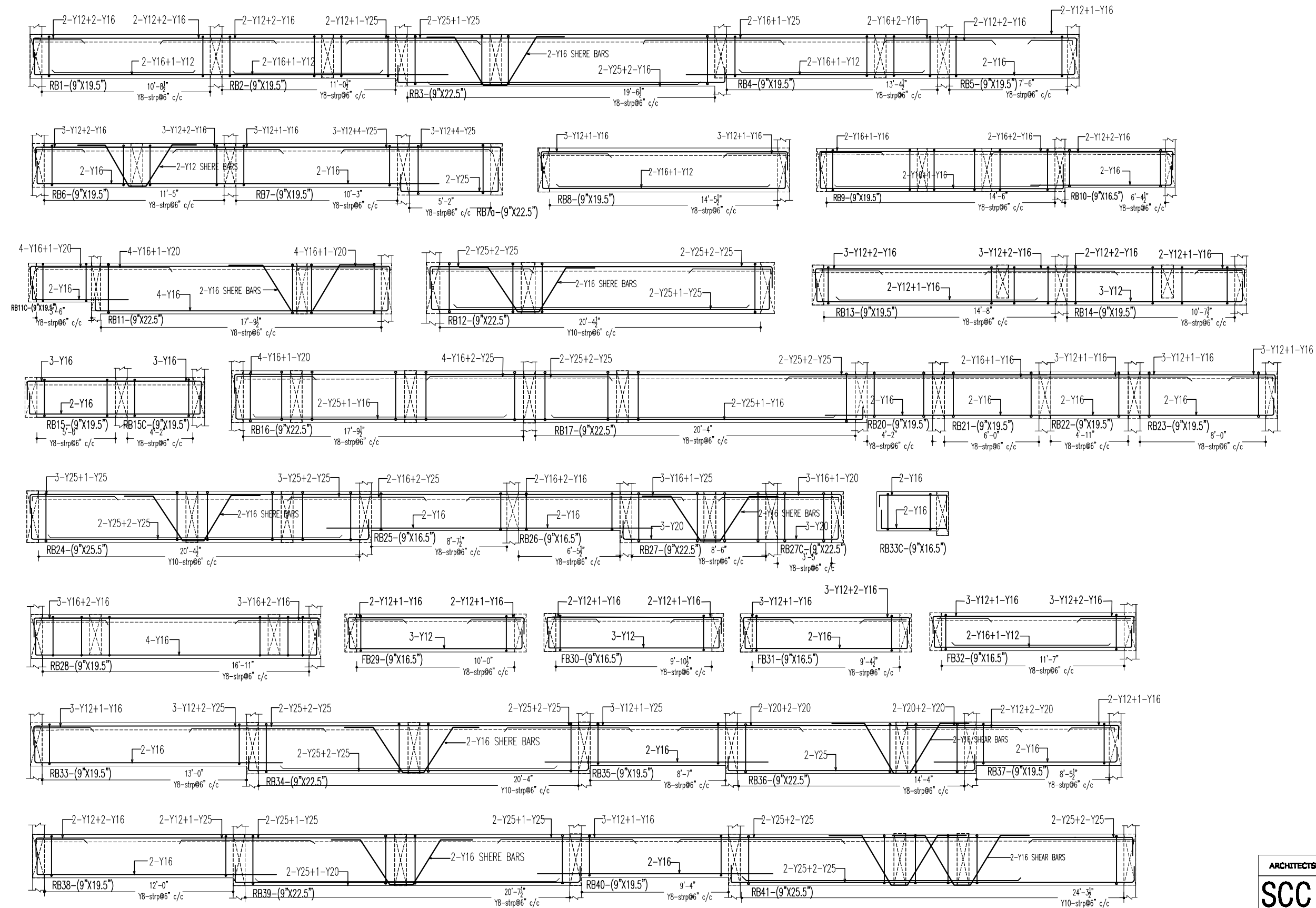


.Architects
.Structural Engineers
.Contractors

6D, II Floor ,Manasaover,SRGM. MainRoad ,
Landmark Babuji Memorial Ashram,Manapakkam,
Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.

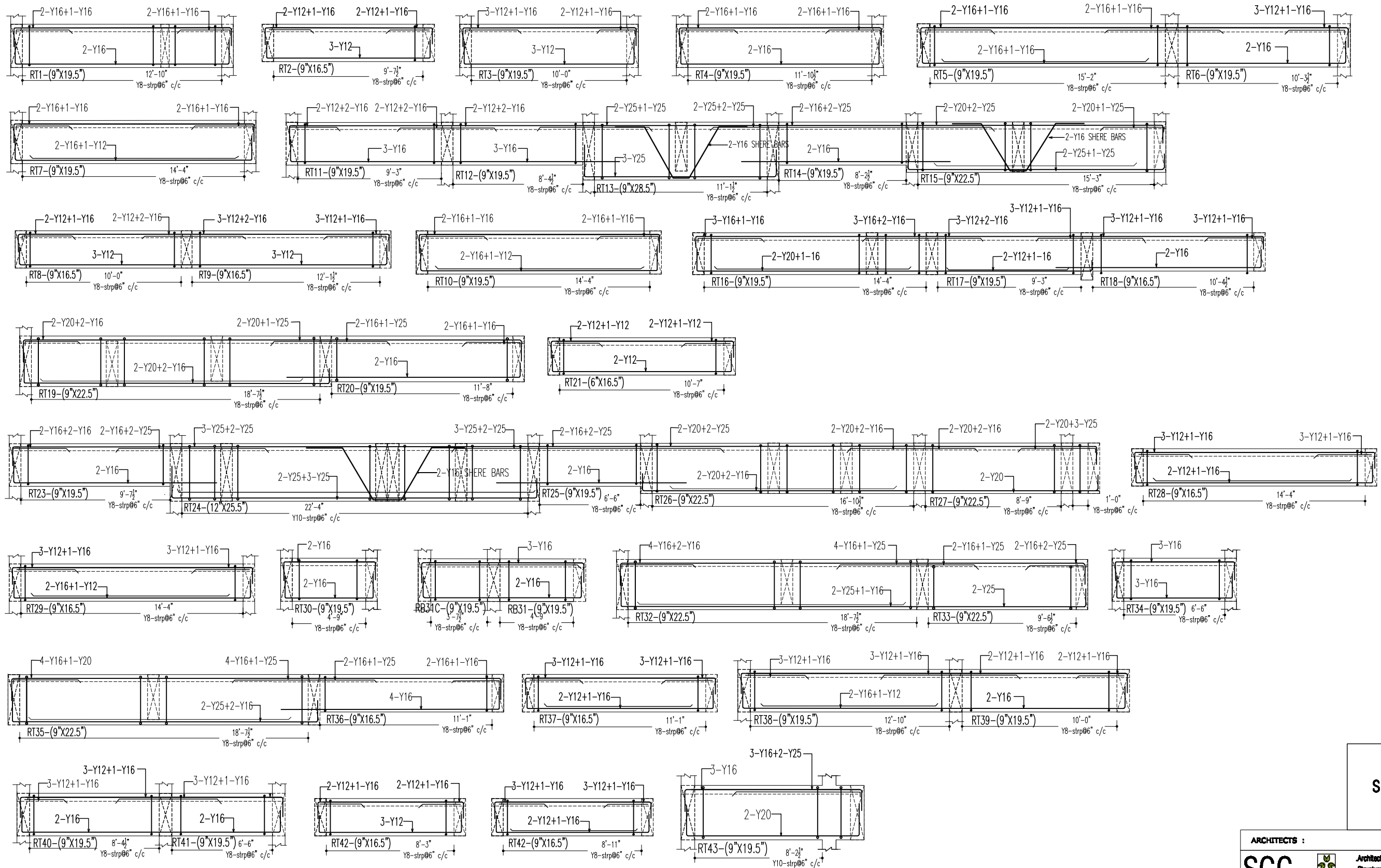


FILE	P-195/CHN/VIVA-KKM	REV .3
DATE :	15-10-2025	SCALE : 1: 100



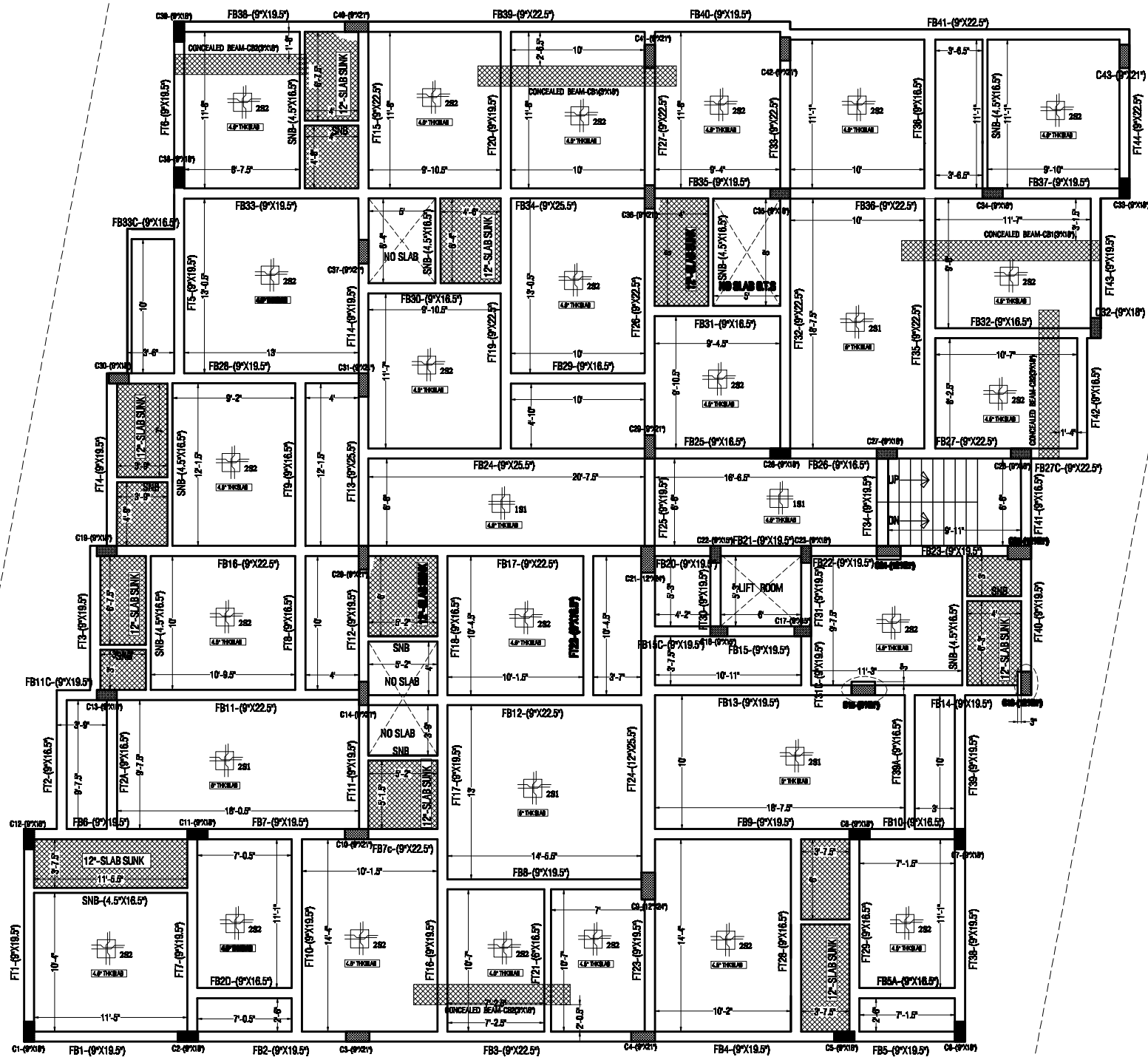
DETAILING OF GROUND/STILT FLOOR ROOF BEAMS-(SHEET-1/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

ARCHITECTS :		
SCC		Architects Structural Engineers Contractors
# 6D, II Floor ,Manasarovar,SRGM. Main Road , Landmark Babuji Memorial Ashram,Manapakkam , Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940682415.		
FILE	P-195/CHN/WVA-KKM	REV 3
DATE :	15-10-2025	SCALE : 1: 100



DETAILING OF GROUND/STILT FLOOR ROOF BEAMS-(SHEET-2/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

ARCHITECTS :		
SCC		Architects Structural Engineers Contractors
# 6D, II Floor, Manasarovar, SRGM, Main Road, Landmark Babuji Memorial Ashram, Manapakkam, Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940682415.		
FILE	P-195/CHN/WVA-KKM	REV 3
DATE:	15-10-2025	SCALE: 1: 100



SCHEDULE OF FIRST FLOOR SLAB.

PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

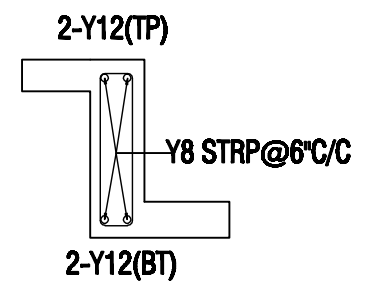
NOTE :

1. ALL THE DIMENSIONS ARE IN FEET AND INCHES ONLY. DO NOT MEASURE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
2. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
3. USE SUPER PLASTICIZER CERAPLAST 300 @ 300ml PER BAG TO IMPROVE WORKABILITY, MIXING ALONG WITH 22 LITRES OF WATER.
4. DEPTH OF SOIL SHOULD BE UPTO HARD STRATA WHERE S.B.C OF SOIL IS 30 T/M² MINIMUM. DESIGN SBC OF SOIL IS-(30 T/M²) AT WHICH DEPTH OF FOUNDATION IS 3.00 METER FROM EXISTING GROUND LEVEL AS PER SOIL REPORT.
5. FILL THE FOUNDATION PITS WITH SAND GRAVEL MIX (1:3) OR STONE DUST AND GRAVEL MIX (1:3). COMPACTING IN LAYERS OF 6" THICK EACH UPTO A DEPTH OF 12 INCHES BEFORE LAYING P.C.C.
6. LAPPING OF BARS SHOULD BE STAGGERED. NOT MORE THAN 50% OF BARS SHOULD BE LAPPED AT A JOINT.
7. CLEAR COVER FOR FOOTINGS SHOULD BE 75mm. COVER FOR COLUMNS 40mm. COVER FOR BEAMS 25mm. COVER FOR SLABS 20mm.
8. ENSURE THOROUGH COMPACTION OF ALL R.C.C MEMBERS BY MEANS OF VIBRATION. USE PIN AND FLAT VIBRATOR THOROUGHLY WHERE EVER NECESSARY.
9. GRADE OF CONCRETE M20 (1:1.5:3) - 20N/SQ.mm COMPRESSIVE STRENGTH. DESIGN GRADE OF STEEL FE-415 TMT (Y=415 N/SQ.mm). USE ORDINARY PORTLAND CEMENT (OPC) OF 53 GRADE FOR ALL STRUCTURAL MEMBERS. USE PORTLAND POZZOLANA CEMENT (PPC) 53/43 GR MASONRY & PLASTERING PURPOSE.

REINFORCEMENT DETAILS OF PLINTH BEAMS. REINFORCEMENT DETAILS AT VARIOUS SECTIONS IN LONGITUDINAL DIRECTIONS.

SLAB REINFORCEMENT		
2S1	TWO WAY SLAB REINFORCEMENT	Y10-@6°C/C along short direction. Y8-@8°C/C along long direction.
2S2	TWO WAY SLAB REINFORCEMENT	Y8-@6°C/C along short direction. Y8-@8°C/C along long direction.
1S1	ONE WAY SLAB REINFORCEMENT	Y8-@6°C/C along short direction. Y8-@8°C/C along long direction.
CB1-(3"X18")		CB2-(3"X18")

DETAIL OF SUNKEN BEAM



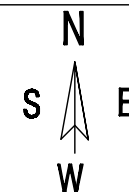
ARCHITECTS :

SCC
ENGINEERS

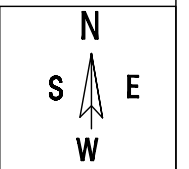
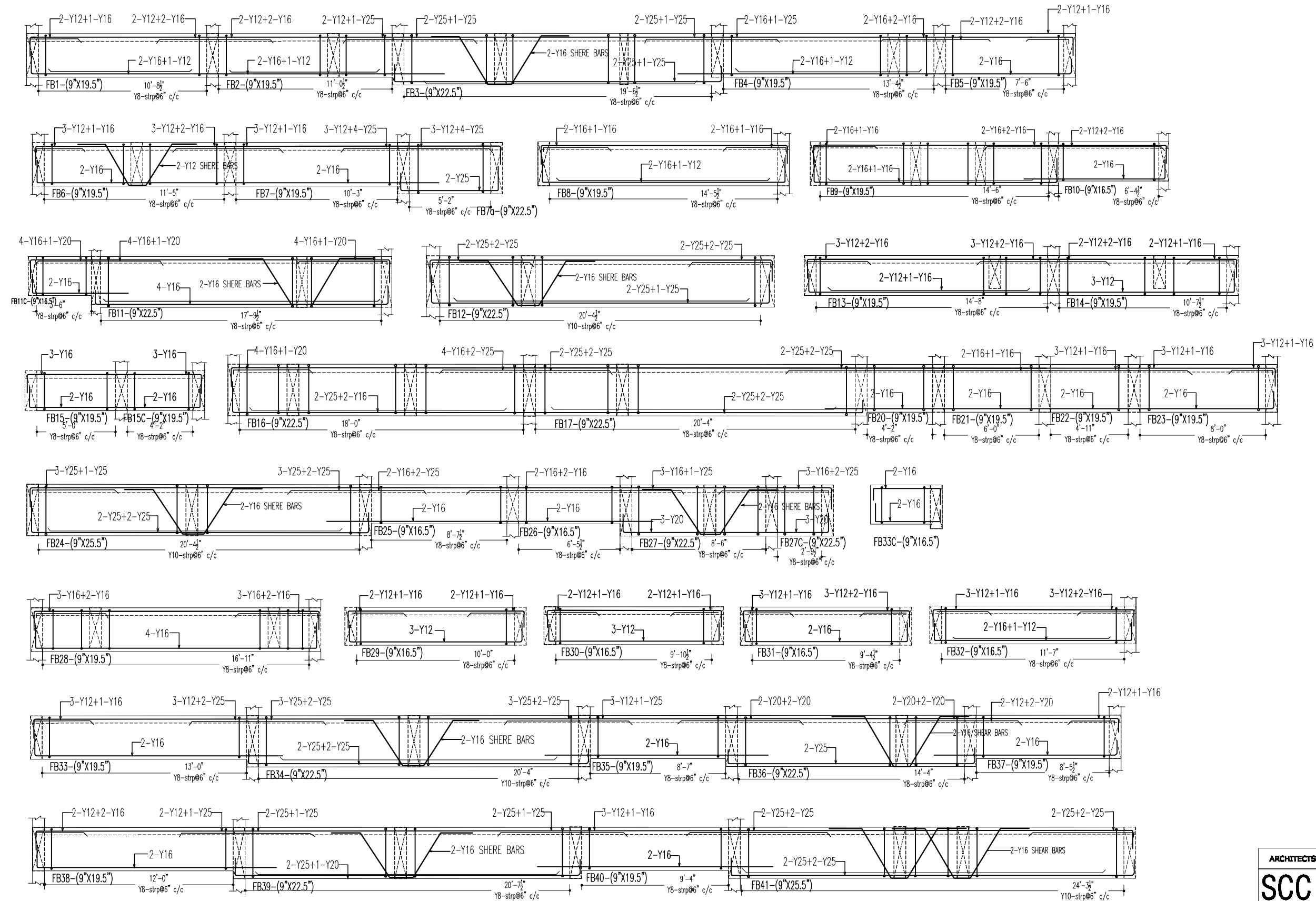


.Architects
.Structural Engineers
.Contractors

6D, II Floor ,Manasarover,SRGM. MainRoad ,
Landmark Babuji Memorial Ashram,Manapakkam,
Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.

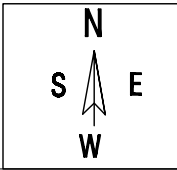
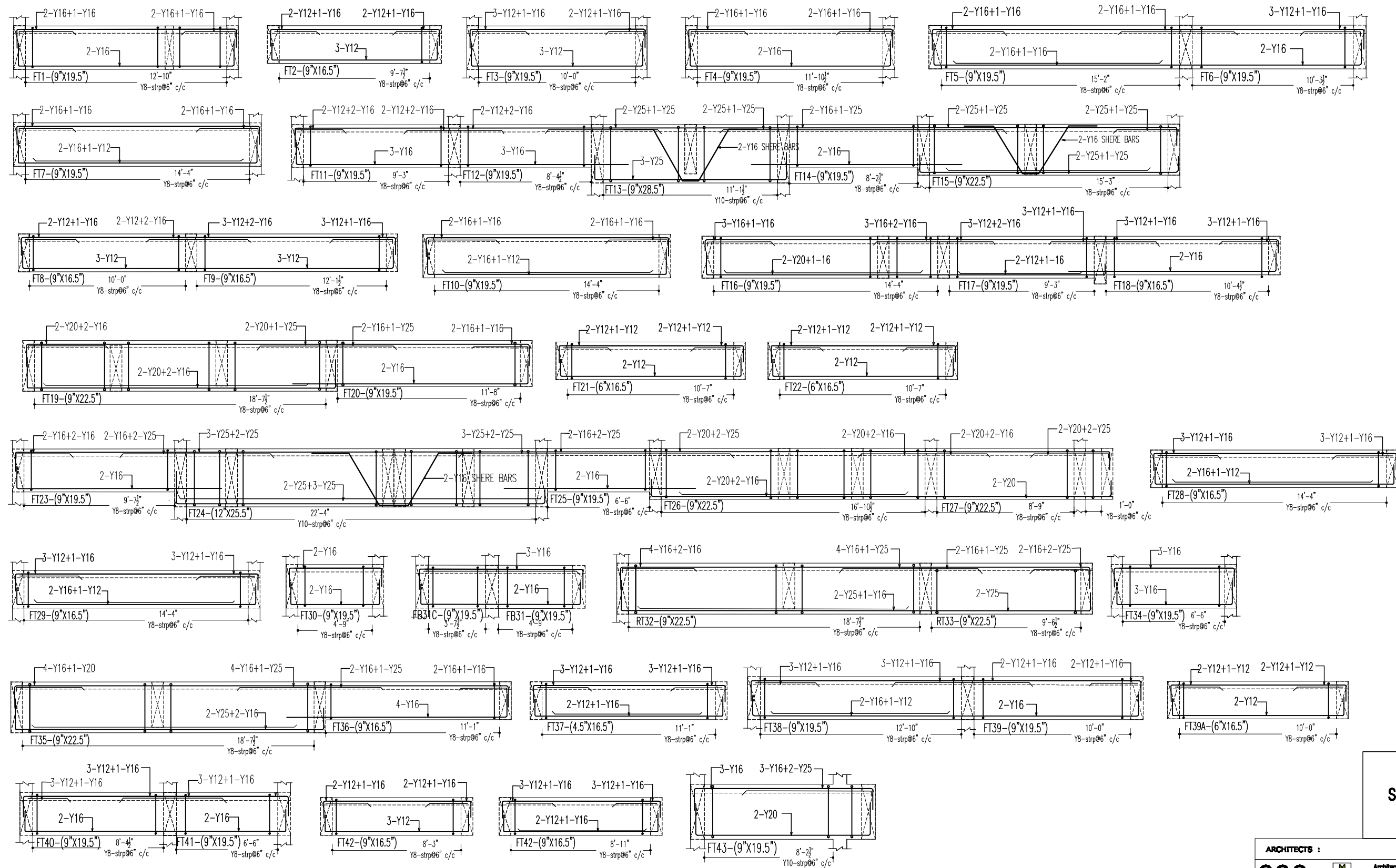


FILE	P-195/CHN/WVA-KKM	REV :3
DATE :	20-09-2025	SCALE : 1: 100



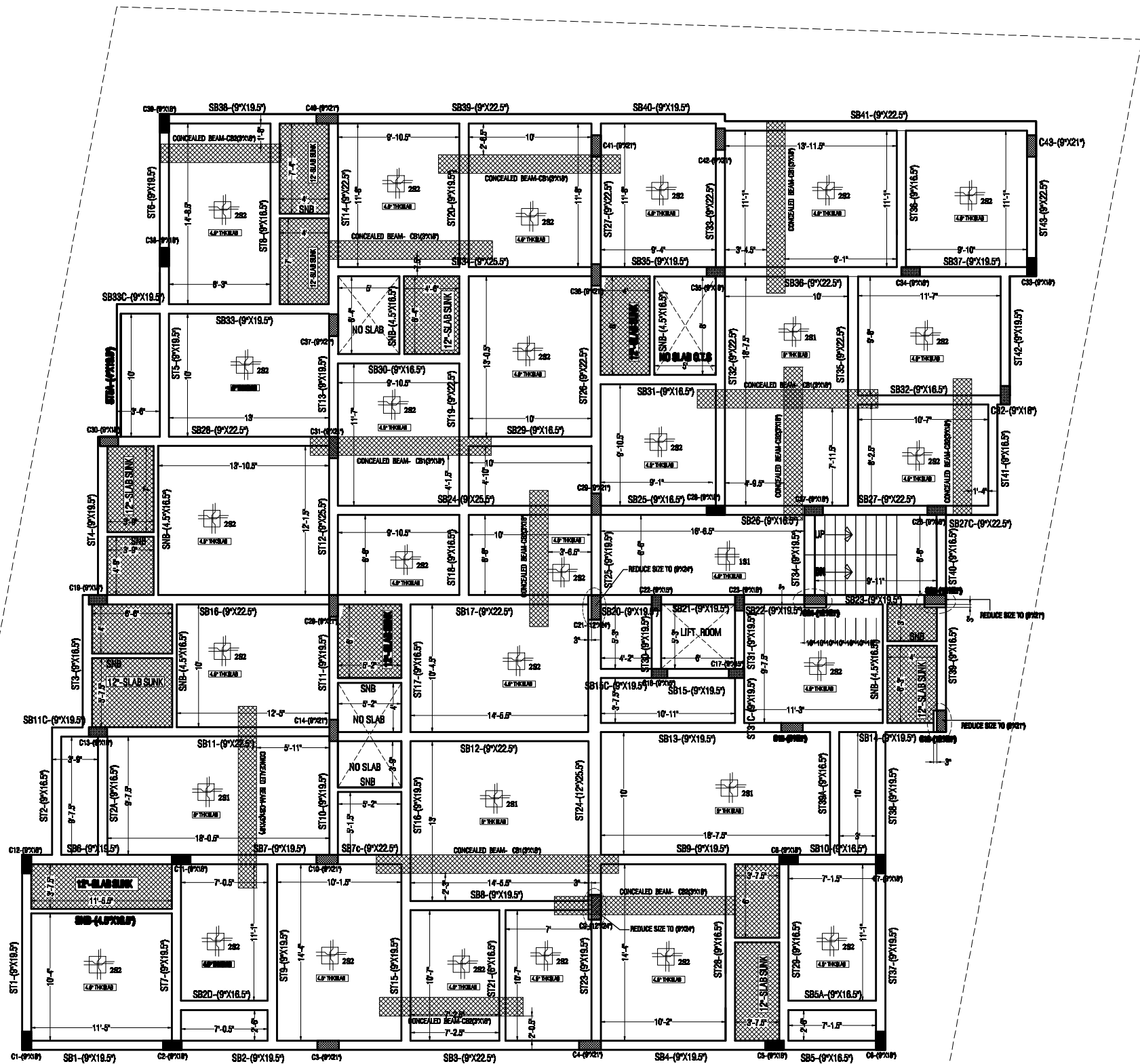
DETAILING OF FIRST FLOOR ROOF BEAMS-(SHEET-1/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

ARCHITECTS :		
SCC		Architects Structural Engineers Contractors
# 6D, II Floor, Manasarovar, SRGM, Main Road, Landmark Babuji Memorial Ashram, Manapakkam, Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940692415.		
FILE	P-195/CHN/WVA-KKM	REV 3
DATE:	20-09-2025	SCALE: 1: 100



DETAILING OF FIRST FLOOR ROOF BEAMS-(SHEET-2/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

ARCHITECTS :		
SCC ENGINEERS Architects Structural Engineers Contractors		
# 6D, II Floor ,Manasarover,SRGM. MainRoad , Landmark Babuji Memorial Ashram,Manapakkam , Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940692415.		
FILE	P-195/CHN/VVA-KKM	REV :3
DATE :	20-09-2025	SCALE : 1: 100



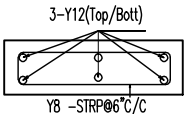
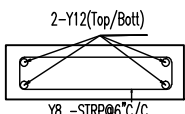
SCHEDULE OF SECOND FLOOR SLAB.

PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

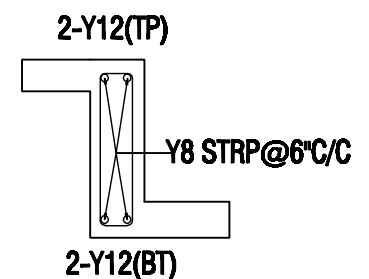
NOTE :

1. ALL THE DIMENSIONS ARE IN FEET AND INCHES ONLY. DO NOT MEASURE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
2. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
3. USE SUPER PLASTICIZER CERAPLAST 300 @ 300ml PER BAG TO IMPROVE WORKABILITY, MIXING ALONG WITH 22 LITRES OF WATER.
4. DEPTH OF SOIL SHOULD BE UPTO HARD STRATA WHERE S.B.C OF SOIL IS 30 T/M² MINIMUM. DESIGN SBC OF SOIL IS-(30 T/M²) AT WHICH DEPTH OF FOUNDATION IS 3.00 METER FROM EXISTING GROUND LEVEL AS PER SOIL REPORT.
5. FILL THE FOUNDATION PITS WITH SAND GRAVEL MIX (1:3) OR STONE DUST AND GRAVEL MIX (1:3). COMPACTING IN LAYERS OF 6" THICK EACH UPTO A DEPTH OF 12 INCHES BEFORE LAYING P.C.C.
6. LAPPING OF BARS SHOULD BE STAGGERED. NOT MORE THAN 50% OF BARS SHOULD BE LAPPED AT A JOINT.
7. CLEAR COVER FOR FOOTINGS SHOULD BE 75mm. COVER FOR COLUMNS 40mm. COVER FOR BEAMS 25mm. COVER FOR SLABS 20mm.
8. ENSURE THOROUGH COMPACTION OF ALL R.C.C MEMBERS BY MEANS OF VIBRATION. USE PIN AND FLAT VIBRATOR THOROUGHLY WHERE EVER NECESSARY.
9. GRADE OF CONCRETE M20 (1:1.5:3) - 20N/SQ.mm COMPRESSIVE STRENGTH. DESIGN GRADE OF STEEL FE-415 TMT (Y=415 N/SQ.mm). USE ORDINARY PORTLAND CEMENT (OPC) OF 53 GRADE FOR ALL STRUCTURAL MEMBERS. USE PORTLAND POZZOLANA CEMENT (PPC) 53/43 GR MASONRY & PLASTERING PURPOSE.

REINFORCEMENT DETAILS OF PLINTH BEAMS. REINFORCEMENT DETAILS AT VARIOUS SECTIONS IN LONGITUDINAL DIRECTIONS.

SLAB REINFORCEMENT		
2S1	TWO WAY SLAB REINFORCEMENT	Y10-@6°C/C along short direction. Y8-@8°C/C along long direction.
2S2	TWO WAY SLAB REINFORCEMENT	Y8-@6°C/C along short direction. Y8-@8°C/C along long direction.
1S1	ONE WAY SLAB REINFORCEMENT	Y8-@6°C/C along short direction. Y8-@8°C/C along long direction.
		
CB1-(3"X18")		CB2-(3"X18")

DETAIL OF SUNKEN BEAM



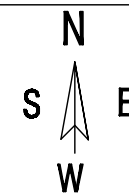
ARCHITECTS :

SCC
ENGINEERS

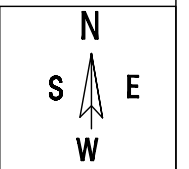
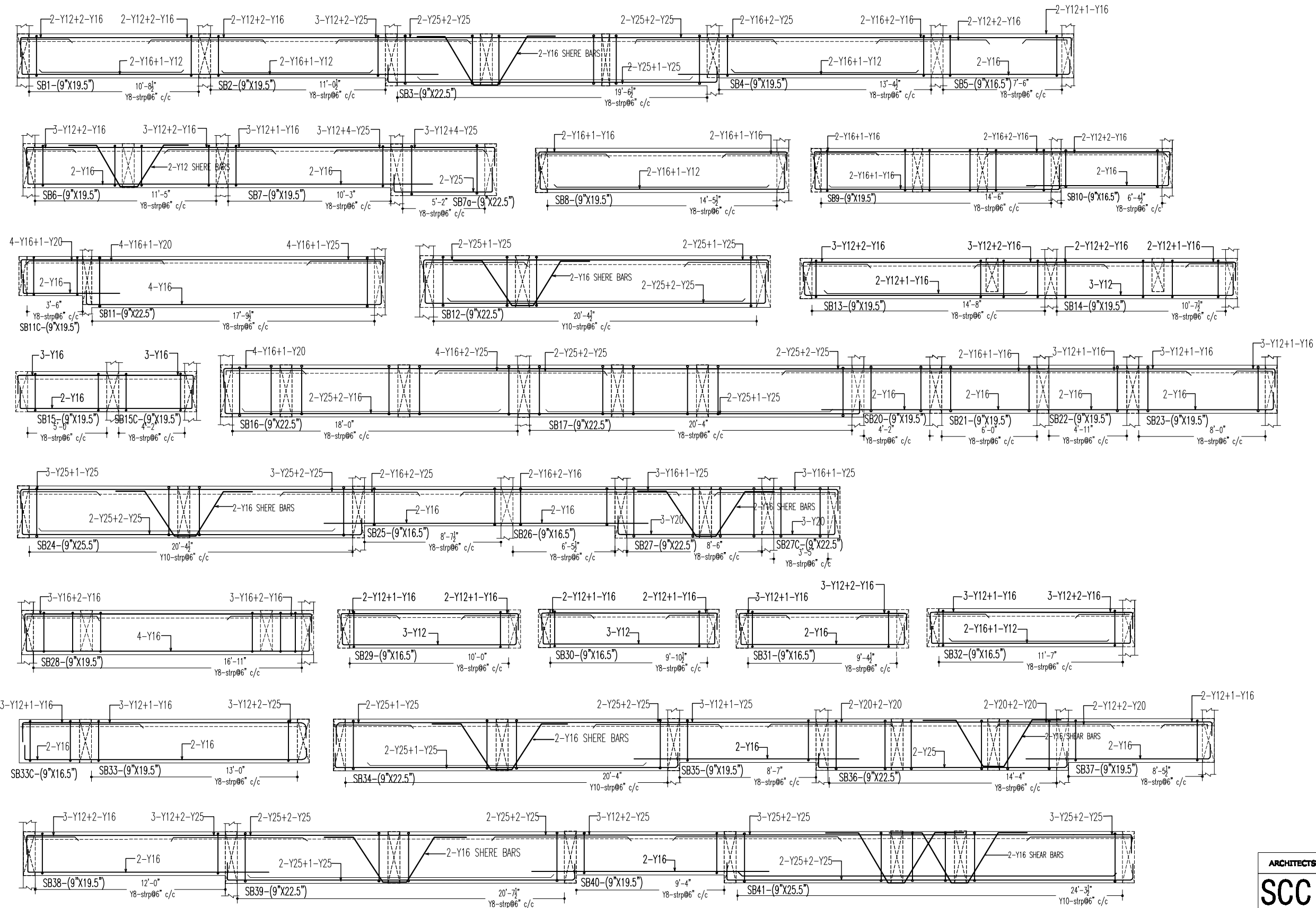


.Architects
.Structural Engineers
.Contractors

6D, II Floor ,Manasrover,SRGM. MainRoad ,
Landmark Babuji Memorial Ashram,Manapakkam,
Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.

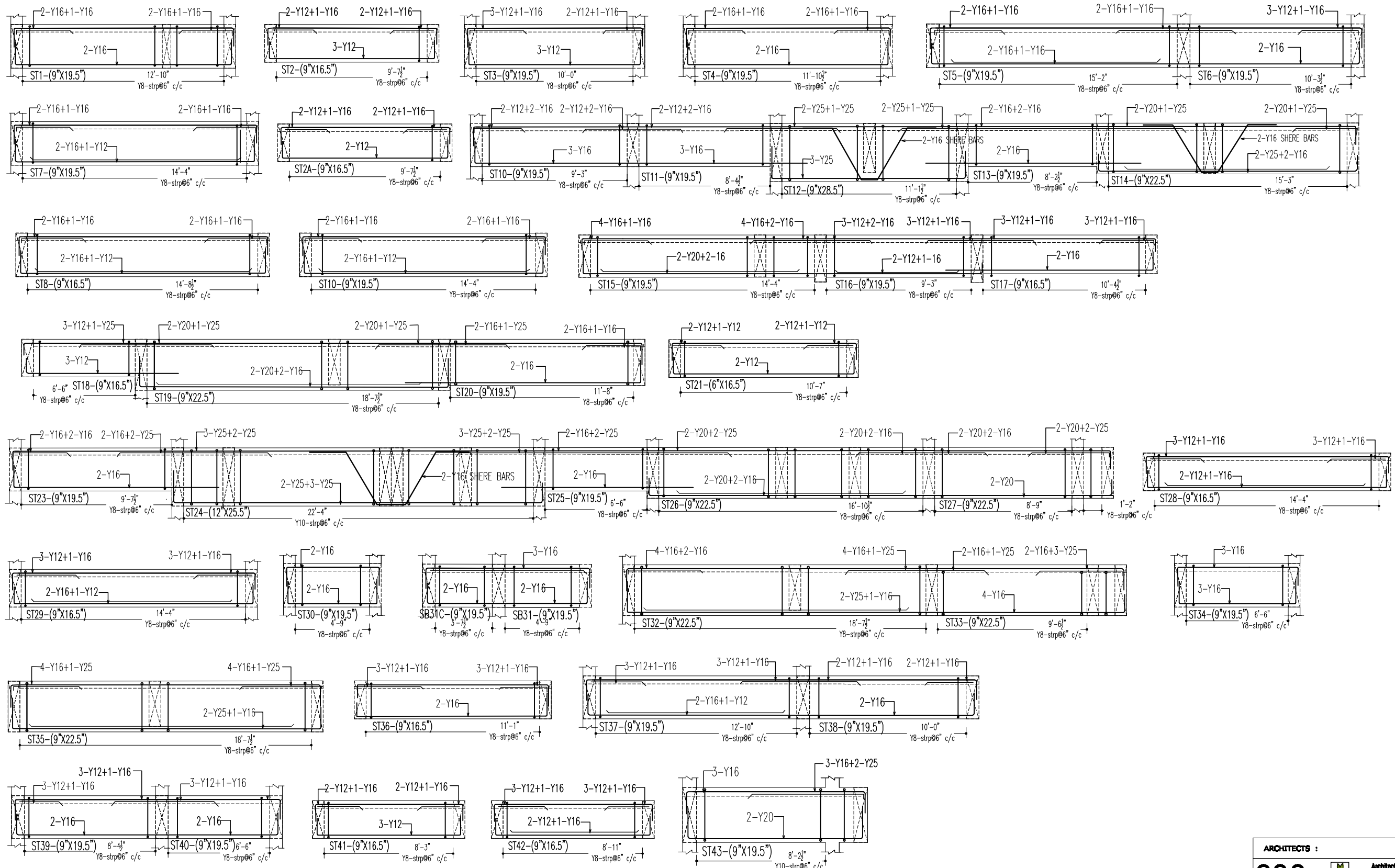


FILE	P-195/CHN/WVA-KKM	REV .3
DATE :	20-09-2025	SCALE : 1: 100

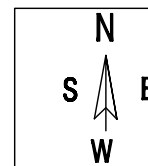


DETAILING OF SECOND FLOOR ROOF BEAMS-(SHEET-1/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

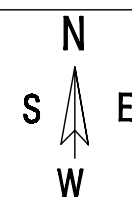
ARCHITECTS :		
SCC  ENGINEERS Architects Structural Engineers Contractors		
# 6D, II Floor, Manasarovar, SRGM, Main Road, Landmark Babuji Memorial Ashram, Manapakkam, Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940682415.		
FILE	P-195/CHN/WVA-KKM	REV 3
DATE:	20-09-2025	SCALE : 1: 100

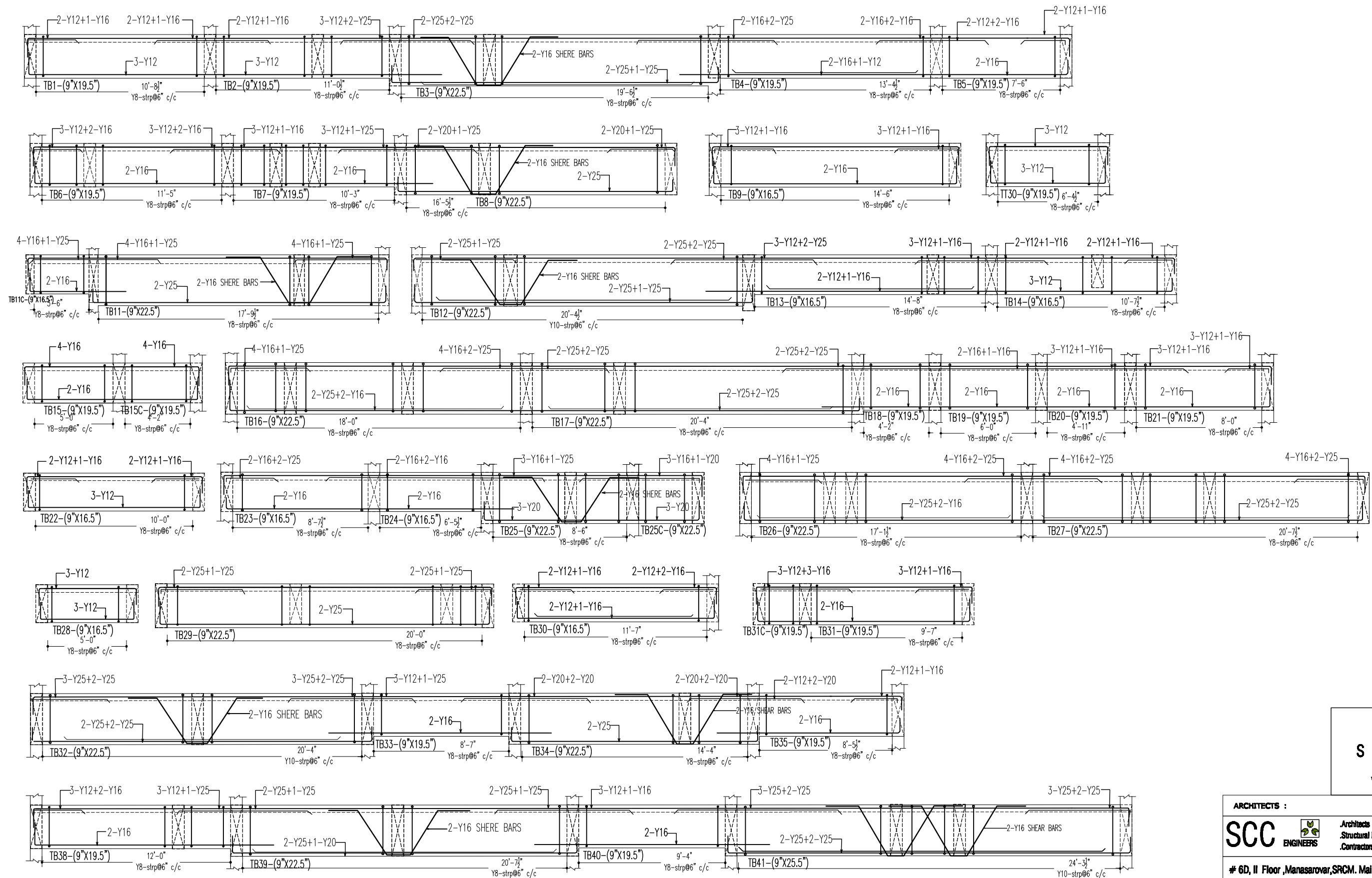


DETAILING OF SECOND FLOOR ROOF BEAMS-(SHEET-2/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM



ARCHITECTS :		
SCC ENGINEERS		
Architects Structural Engineers Contractors		
# 6D, II Floor, Manasarovar, SRGM, Main Road, Landmark Babuji Memorial Ashram, Manapakkam, Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940692415.		
FILE	P-195/CHN/WVA-KKM	REV 3
DATE:	20-09-2025	SCALE: 1: 100





DETAILING OF THIRD FLOOR ROOF BEAMS-(SHEET-1/2).

PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

ARCHITECTS :

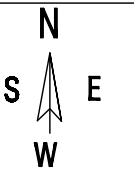
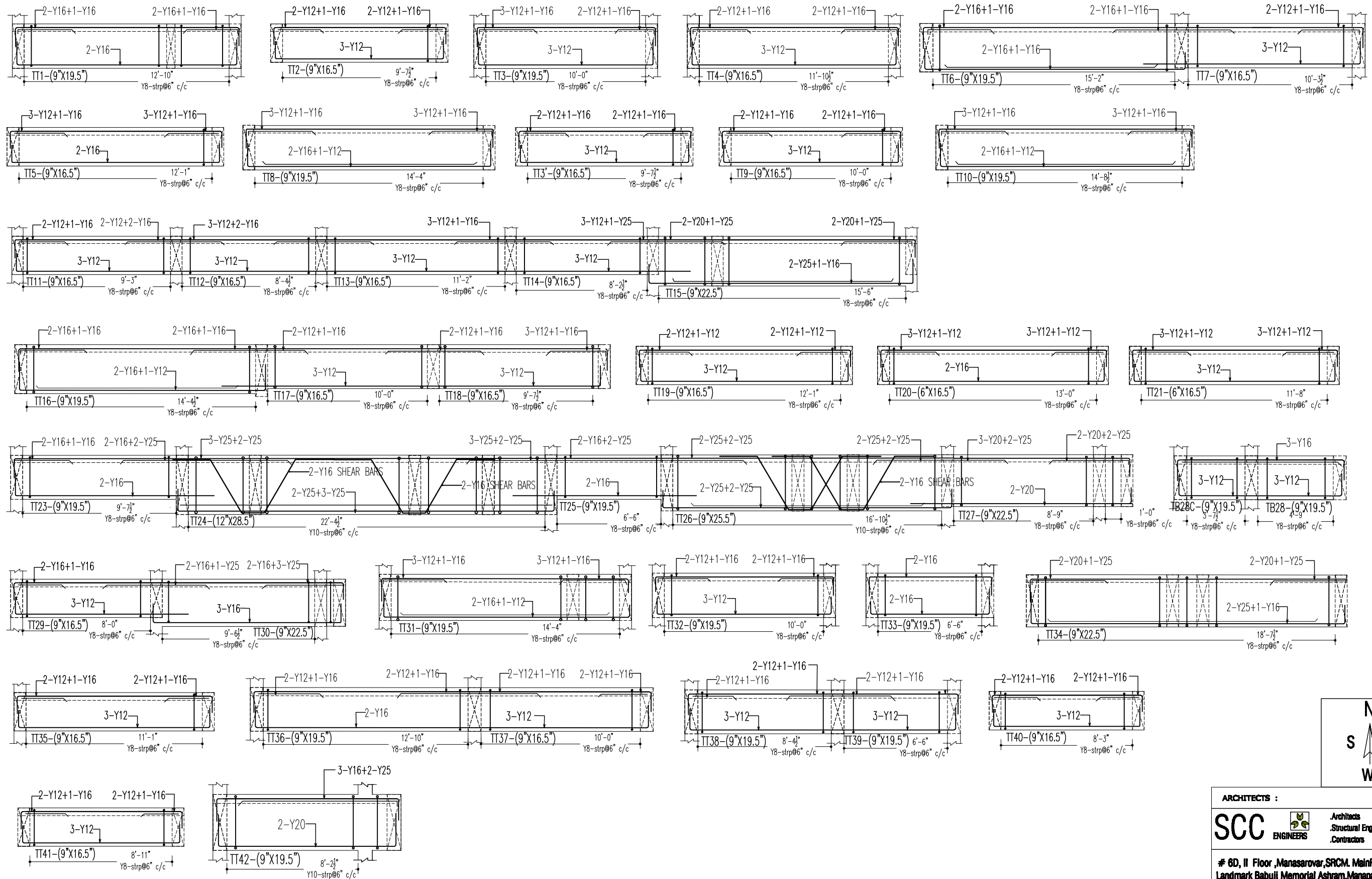
SCC



Architects
Structural Engineers
Contractors

6D, II Floor ,Manasarovar,SRCM. MainRoad ,
Landmark Babuji Memorial Ashram,Manapakam,
Chennai-600125. www.sccengineers.com
PH: 044 65653223 / 9940692415.

FILE	P-195/CHN/VNA-KKM	REV :3
DATE :	20-08-2025	SCALE : 1: 100



DETAILING OF THIRD FLOOR ROOF BEAMS-(SHEET-2/2).
PROPOSED PROJECT KRISHNA KUMARI (P-195) AT ZAMEEN PALLAVARAM

ARCHITECTS :		
SCC ENGINEERS Architects Structural Engineers Contractors		
# 6D, II Floor ,Manasarover,SRGM. MainRoad , Landmark Babuji Memorial Ashram,Manapakkam , Chennai-600125. www.sccengineers.com PH: 044 65653223 / 9940692415.		
FILE	P-195/CHN/VVA-KKM	REV :3
DATE :	20-09-2025	SCALE : 1: 100