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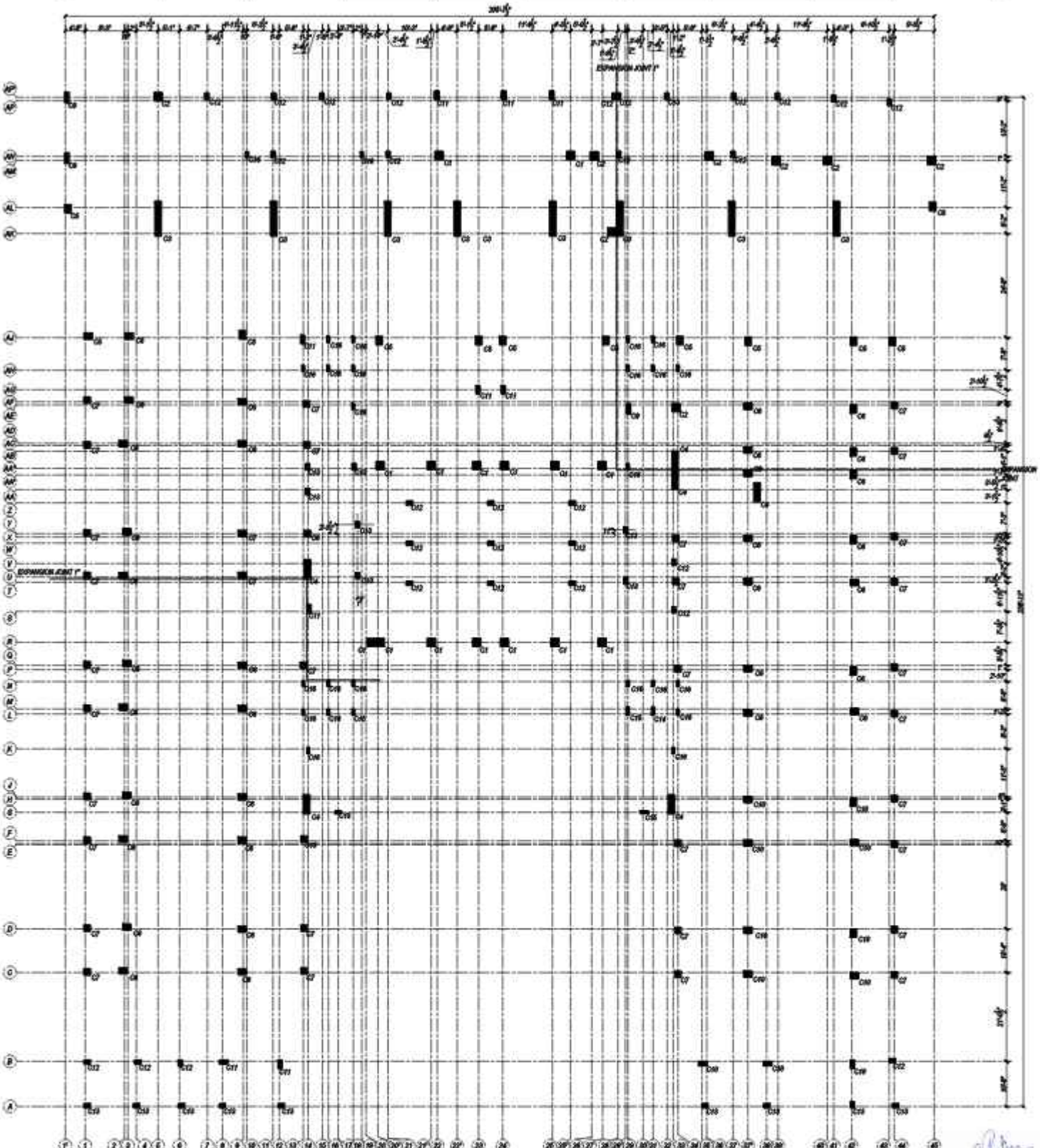
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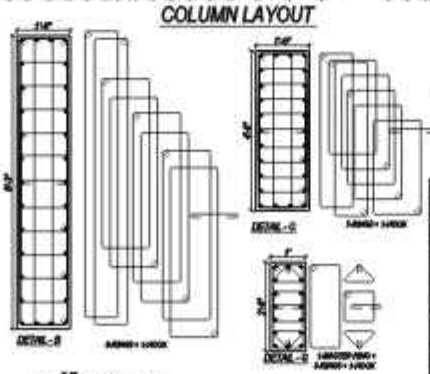
DIGITALLY VERIFIED RECORD



SCHEDULE OF COLUMNS

COLUMN TYPE	FOUNDATION TO STILT FLOOR/ROOF				REMARKS
	SIZE	REINFORCEMENT	DETAILS	RINGS	
C1	24"X 24"	20T20	A	Y8@P/C0	-
C2	24"X 24"	20T20	A	Y8@P/C0	-
C3	18"X 66"	26T20	B	Y8@P/C0	-
C4	18"X 64"	26T18	C	Y8@P/C0	-
C5	18"X 24"	16T25	D	Y8@P/C0	-
C6	18"X 24"	16T16	D	Y8@P/C0	-
C7	18"X 18"	16T16	E	Y8@P/C0	-
C8	12"X 48"	24T25	F	Y8@P/C0	-
C9	12"X 30"	16T20	G	Y8@P/C0	-
C10	12"X 24"	6T20+4T20	H	Y8@P/C0	-
C11	12"X 24"	14T20	H	Y8@P/C0	-
C12	12"X 18"	10T20	J	Y8@P/C0	-
C13	12"X 18"	10T16	J	Y8@P/C0	-
C14	9"X 24"	12T20	K	Y8@P/C0	-
C15	9"X 24"	12T16	K	Y8@P/C0	-
C16	9"X 18"	8T16	L	Y8@P/C0	-

COLUMN LAYOUT



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2.DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. SWS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, ON THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1.FOOTING: SIDE : 75mm
   - 9.2.FOOTING: TOP & BOTTOM : 50mm
   - 9.3.COLUMN : 40mm
   - 9.4.BEAM : 25mm
   - 9.5.SLAB : 20mm
10. LAP LENGTH OF BARS : 50Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF T8/S, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.

1. DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS:
   - 1.1.IN COMPRESSION : 40Ø
   - 1.2.IN TENSION : 50Ø
2. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 2.1.TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 2.2.TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 2.3.BOTTOM ROD AT MID SPAN OF BEAM
3. REMOVAL OF SHUTTERING / FORM WORK
   - 3.1.COLUMN : 24 HOURS
   - 3.2.BEAM SIDES : 36 HOURS
   - 3.3.BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 3.4.SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
4. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 46% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
5. THIS BUILDING DESIGNED FOR BASEMENT +G+4 FLOORS ONLY.
6. SBC CORRIDOR FOR THIS BUILDING 284 kN/m² @ 2.5 m DEPTH FROM GL AS PER GSL REPORT

NOTES:

LEGENDS:
C/C - CENTER TO CENTER

N W E S

R/No	DATE	BY

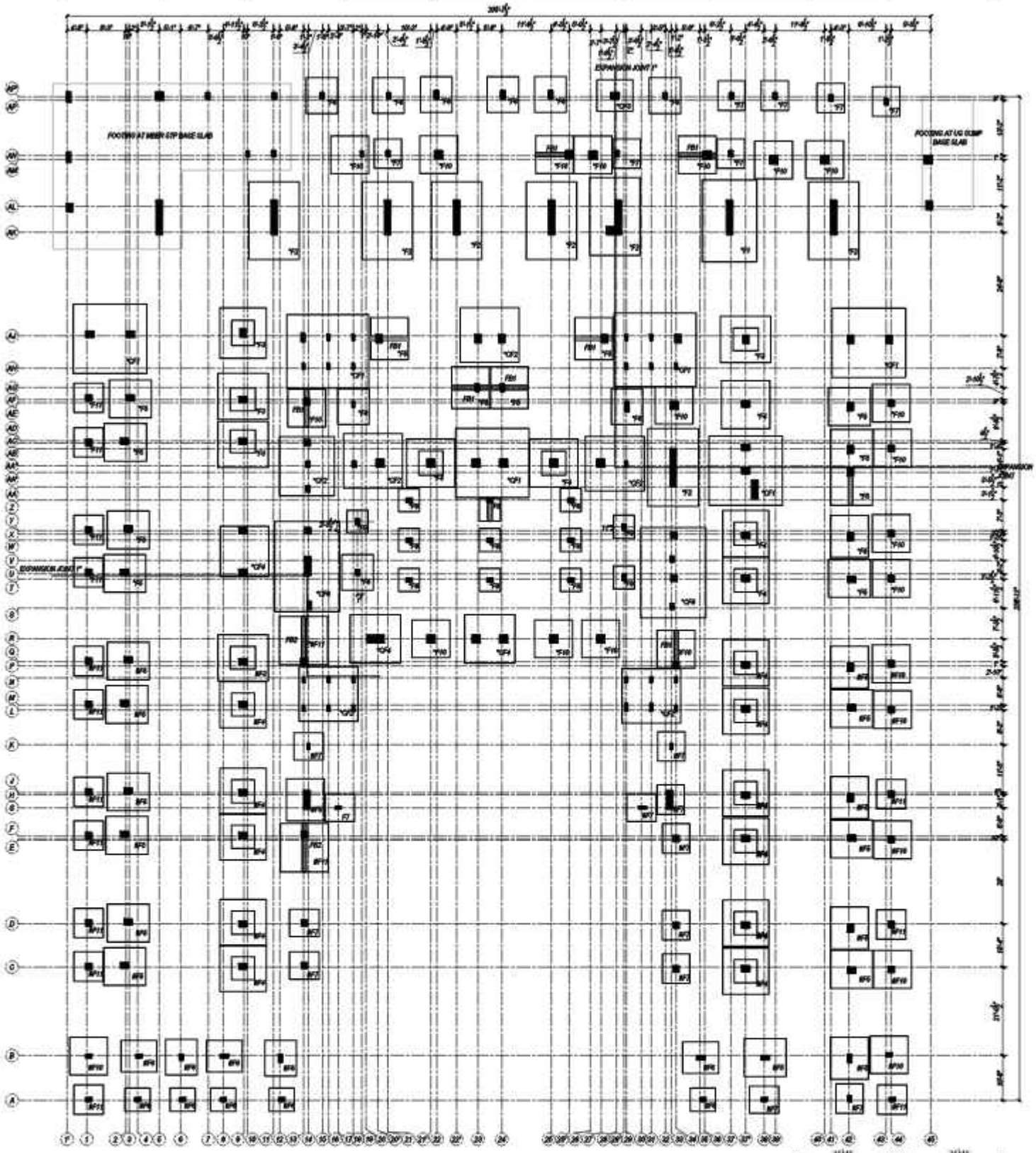
ARCHITECT:
WALLS ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:
Archetype

TITLE: COLUMN LAYOUT AND DETAILS

DRAWN BY:	NR	DESIGNED BY: DM	CHECKED BY : GT
DATE : 05.SEP.2008		SCALE : 1:100 / A0	APPROVED BY : JK
PROJECT NO :	KL0609		DRAWING NO : S7-01

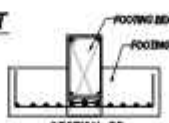
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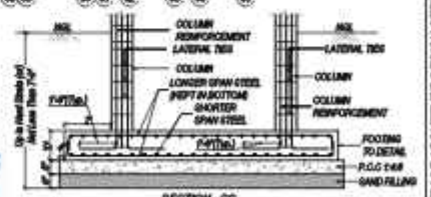
FOOTING LAYOUT



TYPICAL PLAN OF FOOTING



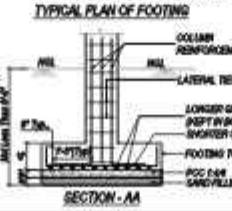
SECTION - BB



SECTION - CC







SECTION - AA

SCHEDULE OF FOOTINGS

FOOTING TYPE	FOOTING SIZE	DEPTH 'd'	BOTTOM STEEL		TOP STEEL		REMARKS
			SHORTER	LONGER	SHORTER	LONGER	
F1	3000 x 3200	450	11 Nos @ 270 c/c	11 Nos @ 270 c/c	-	-	-
F2	3000 x 3200	450	11 Nos @ 270 c/c	11 Nos @ 270 c/c	-	-	-
F3	2700 x 3000	350	11 Nos @ 240 c/c	11 Nos @ 240 c/c	-	-	-
F4	2400 x 3300	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F5	2400 x 2400	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F6	2400 x 2700	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F7	2700 x 3000	350	11 Nos @ 240 c/c	11 Nos @ 240 c/c	-	-	-
F8	2700 x 3000	350	11 Nos @ 240 c/c	11 Nos @ 240 c/c	-	-	-
F9	2400 x 2400	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F10	2400 x 2400	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F11	2700 x 2700	350	11 Nos @ 240 c/c	11 Nos @ 240 c/c	-	-	-
F12	3700 x 3000	450	11 Nos @ 330 c/c	11 Nos @ 330 c/c	-	-	-
F13	3400 x 3000	450	11 Nos @ 300 c/c	11 Nos @ 300 c/c	-	-	-
F14	3000 x 3000	450	11 Nos @ 270 c/c	11 Nos @ 270 c/c	-	-	-
F15	3000 x 3000	450	11 Nos @ 270 c/c	11 Nos @ 270 c/c	-	-	-
F16	2700 x 3000	350	11 Nos @ 240 c/c	11 Nos @ 240 c/c	-	-	-
F17	2400 x 3000	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F18	2400 x 3000	350	11 Nos @ 210 c/c	11 Nos @ 210 c/c	-	-	-
F19	2700 x 3000	350	11 Nos @ 240 c/c	11 Nos @ 240 c/c	-	-	-

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. SNC DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

NOTES:

- # - INDICATES FOOTING BASE @2.5m FROM RGL
- *- INDICATES FOOTING BASE @1.5m FROM BASEMENT FLOOR RL

1. DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 1.1. IN COMPRESSION : 40D
   - 1.2. IN TENSION : 50D
2. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 2.1. TOP ROD NEAR COLUMN, 1/4 ON EITHER SIDES OF COLUMN
   - 2.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 2.3. BOTTOM ROD AT MID SPAN OF BEAM
3. REMOVAL OF SHUTTERING / FORM WORK
   - 3.1. COLUMN : 24 HOURS
   - 3.2. BEAM SIDES : 24 HOURS
   - 3.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 3.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
4. HOWEVER 7 DAYS EXTENSION OF CONCRETE SHOULD BE GIVEN OF THE SHORTEST EXTENSION, TO REMOVE FORM WORK
5. THIS BUILDING DESIGNED FOR BASEMENT +G+5 FLOORS ONLY.
6. GBC CONSIDER FOR THIS BUILDING 254 kN/M² @ 2.5 m DEPTH FROM BSL AS PER SOIL REPORT

LEGENDS:

CC - CENTER TO CENTER
RGL - NATURAL GROUND LEVEL

N W E S

REV	DATE	BY

ARCHITECT:

WALLSMITH ARCHITECTURE RESEARCH PRACTICE

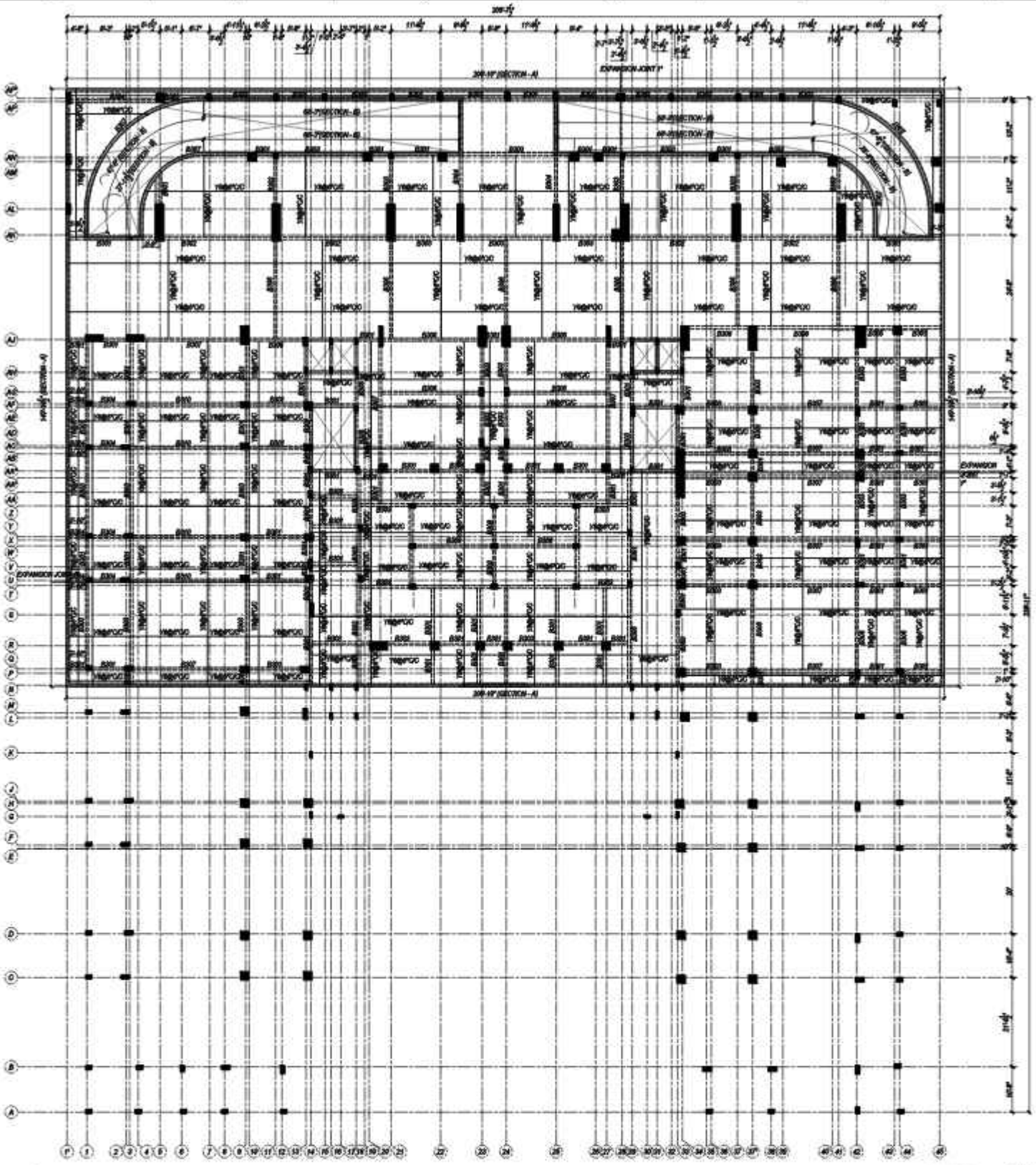
STRUCTURAL CONSULTANT:

Archetype

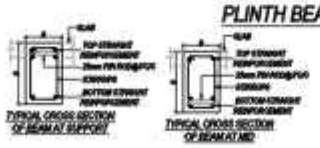
Archetype Design Services Private Limited

TITLE: FOOTING LAYOUT AND DETAILS			
DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : ST	
DATE : 05.SEP.2008	SCALE : 1:100 / A0	APPROVED BY : JK	
PROJECT NO : KL0609	DRAWING NO : ST-02		

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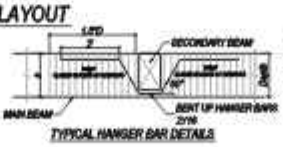


PLINTH BEAM LAYOUT

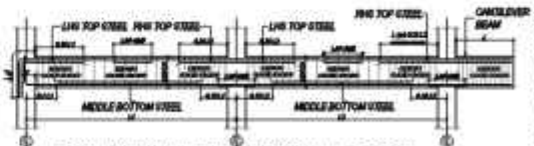


TYPICAL CROSS SECTION OF BEAM AT SUPPORT

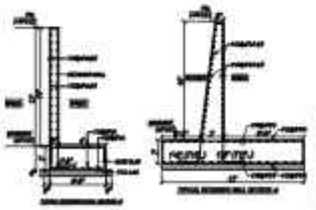
TYPICAL CROSS SECTION OF BEAM AT MID

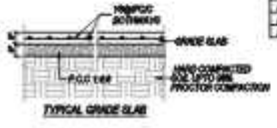


TYPICAL HANGER BAR DETAILS



TYPICAL LAPPING & CURTAILMENT DETAILS OF A CANTILEVER BEAM





TYPICAL GRADE SLAB

SCHEDULE OF BEAMS

BEAM TYPE	BEAM SIZE (bxD)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B300	300x375	2Y16	-	2Y16	-	-	YHSPCC	YHSPCC	-
B400	300x375	2Y16	-	2Y16	-	-	YHSPCC	YHSPCC	-
B300	300x450	2Y16	-	2Y16	-	-	YHSPCC	YHSPCC	-
B300	300x525	2Y16	2Y16	2Y16	2Y16	2Y16	YHSPCC	YHSPCC	-
B300	300x600	2Y16	-	2Y16	2Y16	-	YHSPCC	YHSPCC	-
B300	300x675	2Y16	-	2Y16	-	-	YHSPCC	YHSPCC	-
B300	300x750	2Y16	-	2Y16	-	-	YHSPCC	YHSPCC	-
B300	300x825	2Y16	2Y16	2Y16	2Y16	2Y16	YHSPCC	YHSPCC	-
B300	300x900	2Y16	2Y16	2Y16	2Y16	2Y16	YHSPCC	YHSPCC	-
B300	300x975	2Y16	2Y16	2Y16	2Y16	-	YHSPCC	YHSPCC	-

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M35
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 50Ø, AT COLUMN LAPPING PROVIDE 10mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 50Ø DEVELOPMENT LENGTH (LD) FOR REINFORCEMENT BARS
   - 2.1. IN COMPRESSION : 40Ø
   - 2.2. IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID-SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 46% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS - LEFT HAND SIDE SUPPORT
   - 1.2. RHS - RIGHT HAND SIDE SUPPORT

LEGENDS:

CC - CENTER TO CENTER
LD - DEVELOPMENT LENGTH
FGL - FINISHED GROUND LEVEL
LVL - LEVEL
V - VERTICAL REINFORCEMENT
H - HORIZONTAL REINFORCEMENT

N W E S

R/No	DATE	DESCRIPTION	BY

ARCHITECT:

WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:

Archetype

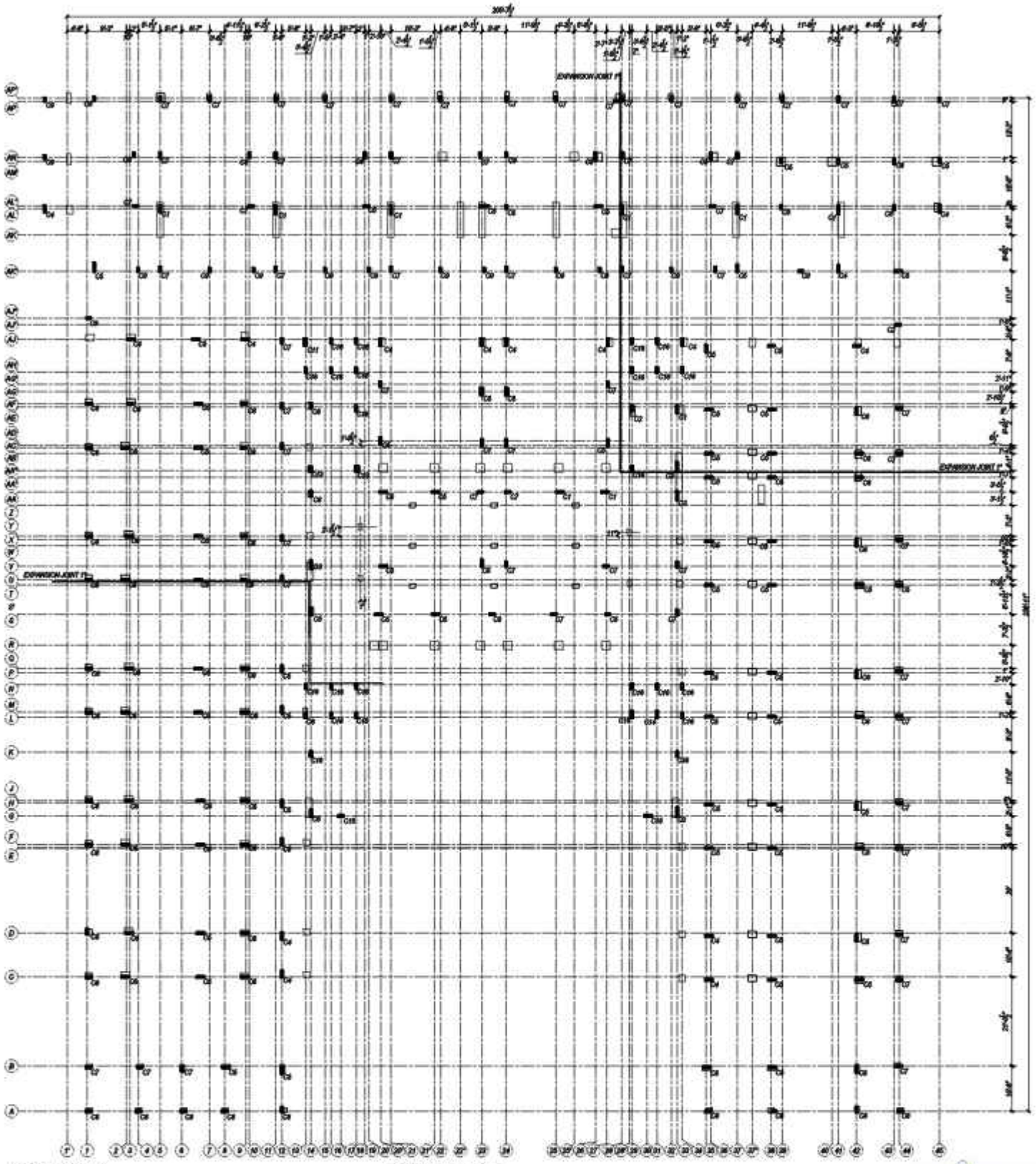
Archetype Design Services Private Limited

TITLE:

PLINTH BEAM & RETAINING WALL LAYOUT & DETAILS

DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : GT
DATE : 28.AUG.2020	SCALE : 1:100 / A0	APPROVED BY : JK
PROJECT NO : FL2009	DRAWING NO : 03-00	

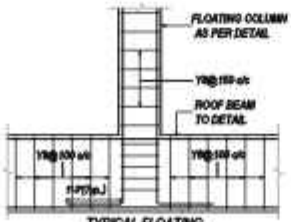
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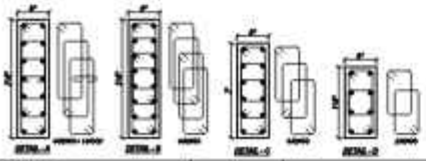
SCHEDULE OF COLUMNS

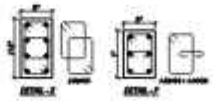
COLUMN TYPE	STILT FLOOR TO TERRACE FLOOR LEVEL				REMARKS
	SIZE	REINFORCEMENT	DETAILS	GRADE	
C1	9"X 24"	12#16	A	M40/FE500	-
C2	9"X 24"	14#16	A	M40/FE500	-
C3	9"X 24"	16#16	B	M40/FE500	-
C4	9"X 24"	22#16	C	M40/FE500	-
C5	9"X 24"	12#16	C	M40/FE500	-
C6	9"X 24"	12#16	C	M40/FE500	-
C7	9"X 18"	8#16	D	M40/FE500	-
C8	9"X 18"	8#16	D	M40/FE500	-
C9	9"X 24"	8#16	E	M40/FE500	-
C10	9"X 24"	8#16	F	M40/FE500	-
C11	9"X 24"	12#16	C	M40/FE500	-
C12	9"X 24"	12#16	C	M40/FE500	-
C13	9"X 24"	8#16	D	M40/FE500	-

COLUMN LAYOUT
(STLIT FLOOR TO TERRACE FLOOR)



TYPICAL FLOATING COLUMN DETAIL





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2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 70mm
   - 9.2. FOOTING: TOP & BOTTOM : 60mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

NOTES:

- INDICATES LARGER DIAMETER OF RODS
- INDICATES SMALLER DIAMETER OF RODS
- INDICATES FLOATING COLUMNS

1. LAP LENGTH OF BARS : 60Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 2.1.IN COMPRESSION : 48Ø
   - 2.2.IN TENSION : 56Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 66% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS – LEFT HAND SIDE SUPPORT
   - 1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:
C/C - CENTER TO CENTER

N / W / E / S

R/No	DATE	BY

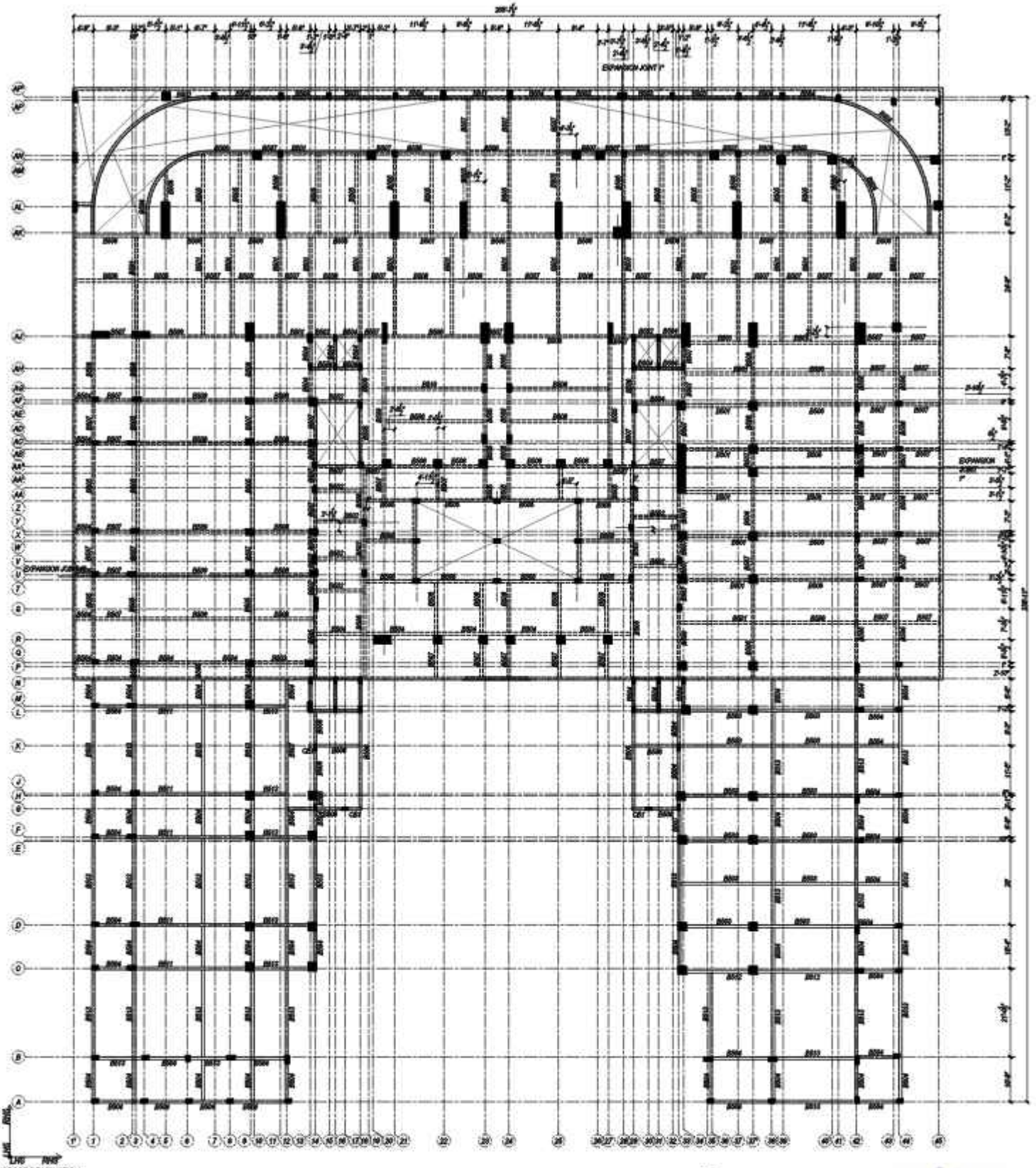
ARCHITECT:
WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:
Archetype

TITLE:
TYPICAL FLOOR BEAM LAYOUT

DRAWN BY:	DRK	DESIGNED BY: DM	CHECKED BY : GT
DATE : 06.SEP.2008		SCALE : 1:75 / A1	APPROVED BY : JK
PROJECT NO :	RJ-3008	DRAWING NO :	GT-04

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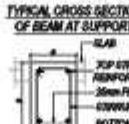


STILT FLOOR BEAM LAYOUT



TYPICAL HANGER BAR DETAILS

TYPICAL CROSS SECTION OF BEAM AT SUPPORT



TYPICAL CROSS SECTION OF BEAM AT MID

SCHEDULE OF BEAMS

BEAM TYPE	BEAM SIZE (BxD)	BOTTOM STEEL		TOP STEEL AT SUPPORT			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	LHS CURTAILMENT	RHS CURTAILMENT	ENDS	MIDDLE	
B001	9"x21"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B002	9"x21"	2Y16	-	2Y16	2Y16	-	Y8@PCC	Y8@PCC	-
B003	9"x18"	2Y16	-	2Y16	-	-	Y8@PCC	Y8@PCC	-
B004	9"x12"	2Y16	-	2Y16	-	-	Y8@PCC	Y8@PCC	-
B005	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B006	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B007	9"x21"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B008	9"x18"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B009	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B010	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@PCC	Y8@PCC	-
B011	9"x24"	2Y16	-	2Y16	-	-	Y8@PCC	Y8@PCC	-
B012	9"x21"	2Y16	-	2Y16	-	-	Y8@PCC	Y8@PCC	-
B013	9"x18"	2Y16	-	2Y16	-	-	Y8@PCC	Y8@PCC	-

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M35
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1.FOOTING: SIDE : 75mm
   - 9.2.POCKING: TOP & BOTTOM : 50mm
   - 9.3.COLUMN : 40mm
   - 9.4.BEAM : 25mm
   - 9.5.SLAB : 20mm

1. LAP LENGTH OF BARS : 60Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 2.1.IN COMPRESSION : 48Ø
   - 2.2.IN TENSION : 56Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1.TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2.TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3.BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1.COLUMN : 24 HOURS
   - 4.2.BEAM SIDES : 24 HOURS
   - 4.3.BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4.SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 66% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1.LHS – LEFT HAND SIDE SUPPORT
   - 1.2.RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:

CC – CENTER TO CENTER
LD – DEVELOPMENT LENGTH

N W E S

R/No	DATE	DESCRIPTION	BY

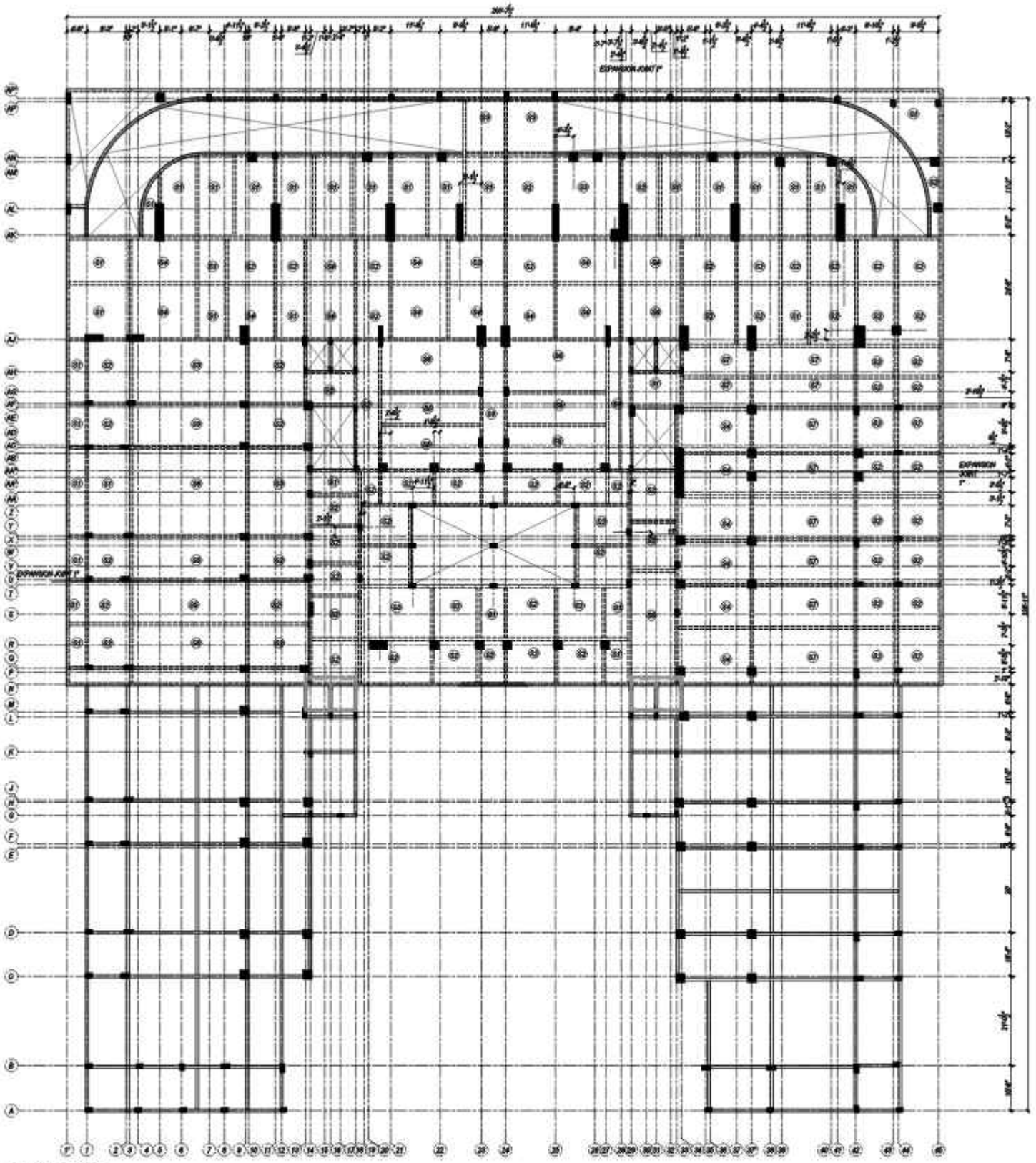
ARCHITECT: WARP
WALLMARK ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT: Archetype
Archetype Design Services Private Limited

TITLE: STILT FLOOR BEAM LAYOUT AND DETAILS

DRAWN BY:	DRK	DESIGNED BY:	DM
CHECKED BY :	CT	DATE :	05.SEP.2008
SCALE :	1:100 / A0	APPROVED BY :	JK
PROJECT NO :	FL3609	DRAWING NO :	ST-05-SH-01
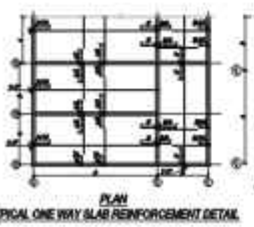
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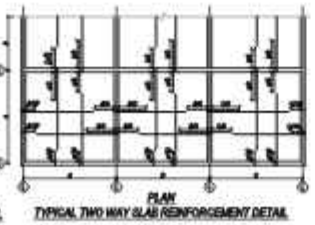
SCHEDULE OF SLABS

SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
S1	5"	Y#@6"c/c	Y#@6"c/c	ONE WAY SLAB
S2	5"	Y#@6"c/c	Y#@6"c/c	TWO WAY SLAB
S3	6"	Y#@6"c/c	Y#@6"c/c	TWO WAY SLAB
S4	5"	Y#@6"c/c	Y#@6"c/c	TWO WAY SLAB
S5	6"	Y#@6"c/c	Y#@6"c/c	ONE WAY SLAB
S6	6"	Y#@6"c/c	Y#@6"c/c	TWO WAY SLAB
S7	7"	Y#@6"c/c	Y#@6"c/c	ONE WAY SLAB

STILT FLOOR SLAB LAYOUT



PLAN
TYPICAL ONE WAY SLAB REINFORCEMENT DETAIL



PLAN
TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL

NOTES:

a. ——— BOTTOM BAR
b. - - - - - TOP BAR
c. PROVIDE 10@6"c/c FOR DISTRIBUTION BARS, IF NOT SHOWN.

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. SHE DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M35
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   9.1. FOOTING: SIDE : 75mm
   9.2. FOOTING: TOP & BOTTOM : 50mm
   9.3. COLUMN : 40mm
   9.4. BEAM : 25mm
   9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60ϕ, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 150ϕ DEVELOPMENT LENGTH (LD FOR REINFORCEMENT BARS)
   2.1. IN COMPRESSION : 40ϕ
   2.2. IN TENSION : 50ϕ
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   4.1. COLUMN : 24 HOURS
   4.2. BEAM SIDES : 24 HOURS
   4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS
   : MORE THAN 6M SPAN : 28 DAYS
   4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS
   : MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 66% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   1.1. LHS – LEFT HAND SIDE SUPPORT
   1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:

C/C – CENTER TO CENTER

N W E S

R/No	DATE	DESCRIPTION	BY

ARCHITECT:

WALLMARK ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:

Archetype

Dr. S. JAGADEESH KANNAN, M.E(Struct), PhD, FIE, FIV, MCI

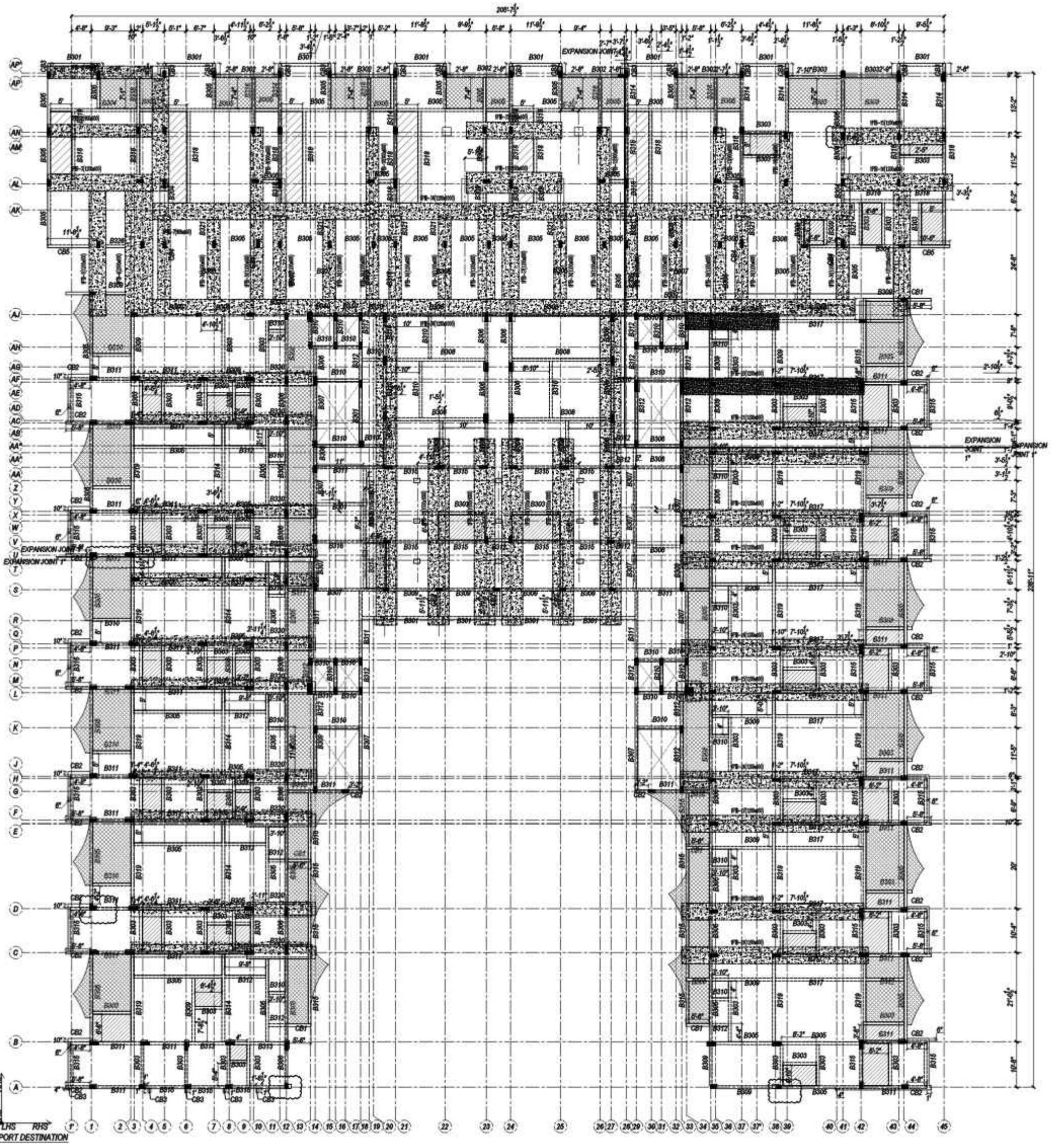
Archetype Design Services Private Limited
Unit 1 (3rd Floor), Old Phase, Integral Industrial Estate, Chennai - 600 042. Phone: 044-4211 2244, Fax: 044-4211 2245
email: info@archetype.co.in
Web: www.archetype.co.in
Landline: 044-4211 2244

TITLE:

STILT FLOOR SLAB LAYOUT AND DETAILS

DRAWN BY:	DRK	DESIGNED BY:	DM
CHECKED BY :	GT		
DATE : 05.SEP.2008	SCALE : 1:100 / A0	APPROVED BY :	JK
PROJECT NO :	PL/2008	DRAWING NO :	GT-05-SH-02

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SCHEDULE OF BEAMS

BEAM TYPE	BEAM SIZE (BxD)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B301	6"x18"	2Y16	-	2Y16	-	-	Y8@6"C/C	Y8@8"C/C	-
B302	6"x24"	2Y16	-	2Y16	-	-	Y8@6"C/C	Y8@8"C/C	-
B303	6"x15"	2Y16	-	2Y16	-	-	Y8@6"C/C	Y8@8"C/C	-
B304	6"x24"	3Y20	3Y20	2Y16	2Y16	2Y16	Y8@4"C/C	Y8@6"C/C	-
B305	6"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B306	6"x12"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B307	6"x18"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B308	12"x24"	3Y20	3Y20	3Y16	3Y16	3Y16	Y8@4"C/C	Y8@6"C/C	-
B309	6"x15"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B310	6"x12"	2Y16	-	2Y16	-	-	Y8@6"C/C	Y8@8"C/C	-
B311	6"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B312	6"x12"	2Y16	-	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B313	6"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B314	6"x24"	2Y20	2Y20	2Y20/2Y16	2Y20	2Y16	Y8@4"C/C	Y8@6"C/C	-
B315	6"x15"	2Y16	-	2Y16	2Y16	2Y16	Y8@4"C/C	Y8@6"C/C	-
B316	6"x18"	2Y20	2Y20	2Y20	2Y20	2Y20	Y8@4"C/C	Y8@6"C/C	-
B317	6"x24"	3Y16	3Y16	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B318	6"x24"	2Y20	2Y20	2Y20	2Y20	2Y20	Y8@4"C/C	Y8@6"C/C	-
B319	6"x24"	2Y20	2Y20	2Y16	2Y16	2Y16	Y8@6"C/C	Y8@8"C/C	-
B320	36"x30"	6Y25	6Y25	6Y25	6Y25	6Y25	6L-Y10@6"C/C	6L-Y10@8"C/C	FB-4Y16
B321	36"x24"	6Y25	6Y25	6Y25	6Y25	6Y25	6L-Y10@6"C/C	6L-Y10@8"C/C	FB-4Y16
B322	6"x36"	2Y25	2Y25	2Y25	2Y25	2Y25	Y8@4"C/C	Y8@6"C/C	FB-4Y16
CB1	6"x15"	2Y16	-	2Y16	2Y16	2Y16	Y8@4"C/C	Y8@6"C/C	-
CB2	6"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@4"C/C	Y8@6"C/C	-
CB3	6"x12"	2Y16	-	2Y16	2Y16	2Y16	Y8@4"C/C	Y8@6"C/C	-
CB4	6"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@4"C/C	Y8@6"C/C	-
CB5	6"x24"	2Y25	-	2Y25	2Y25	2Y25	Y8@4"C/C	Y8@6"C/C	-

FIRST FLOOR BEAM LAYOUT

TYPICAL CROSS SECTION OF BEAM AT SUPPORT

TYPICAL CROSS SECTION OF BEAM AT MID

TYPICAL HANGER BAR DETAILS

TYPICAL LAPPING & CURTAILMENT DETAILS OF A CANTILEVER BEAM

NOTES:

-INDICATES SLAB SUNKEN BY 3"

-INDICATES SLAB SUNKEN BY 6"

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
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4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, ON THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M20
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 50Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 2.1. IN COMPRESSION : 40Ø
   - 2.2. IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK
6. SUPPORT DESTINATION
   - 1.1. LHS - LEFT HAND SIDE SUPPORT
   - 1.2. RHS - RIGHT HAND SIDE SUPPORT

LEGENDS:

C/C - CENTER TO CENTER
Ld - DEVELOPMENT LENGTH
FB - FACER BAR (SIDE FACE REINFORCEMENT)

N W E S

R.No	DATE	DESCRIPTION	BY

ARCHITECT:

WALLSMITH.ARCHITECTURE.RESEARCH.PRACTICE

STRUCTURAL CONSULTANT:

Archetype

Archetype Design Services Private Limited
No.31,"JK Towers", Old Dhanraj Nagar,Pullyakulam,
Coimbatore -641045,Tamilnadu , India
email: jk@archetypepl.com
Web: www.archetypepl.com
Landline: 0422-2594467

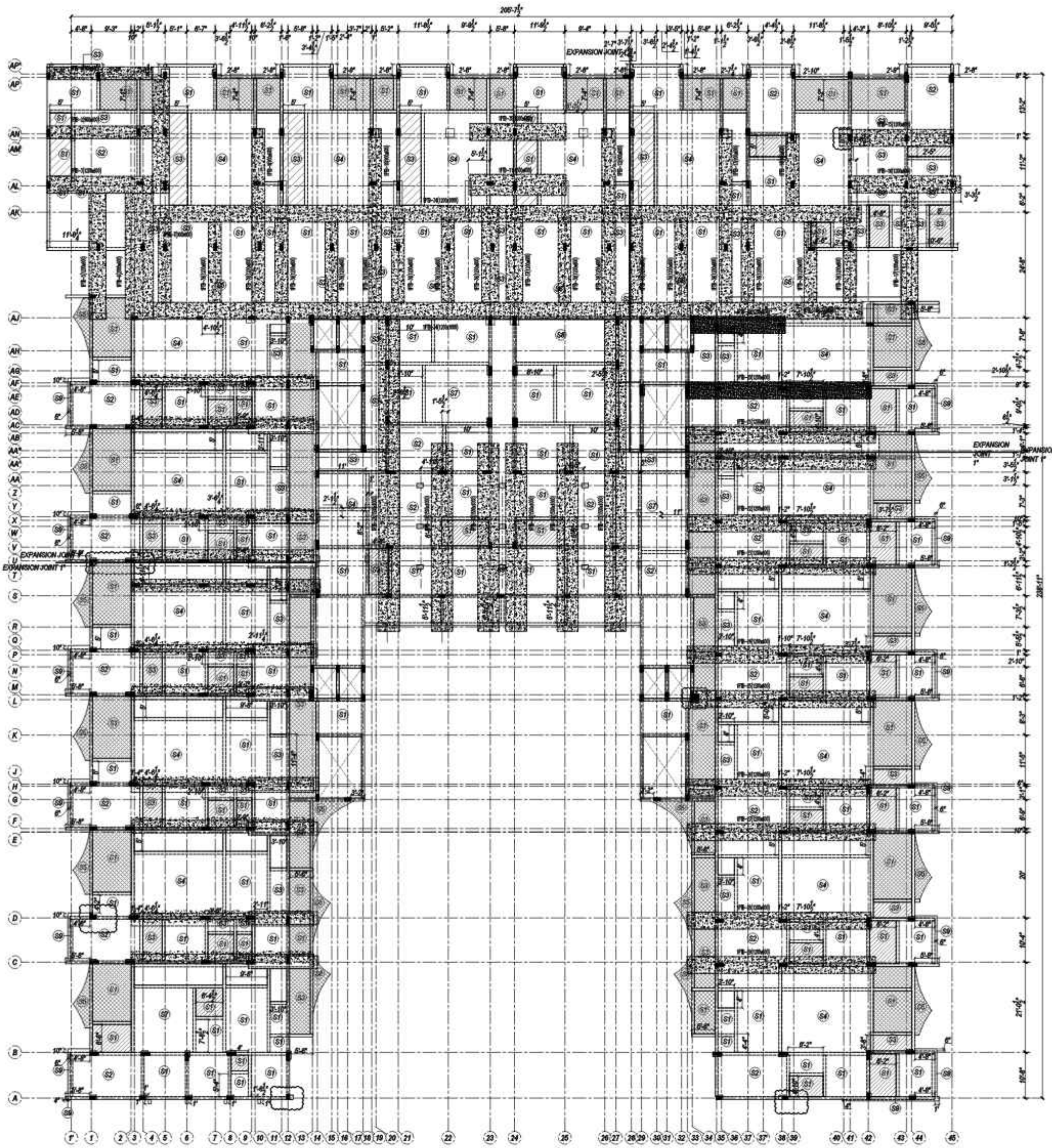
Er.S. JAGADESH KANNAN,ME(Struct),PGME,FIV,

TITLE:

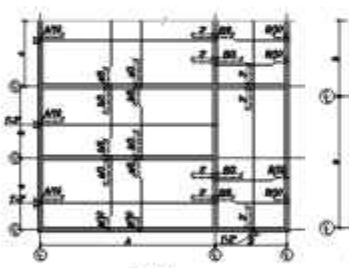
FIRST FLOOR BEAM LAYOUT & DETAILS

DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : ST
DATE : 20.AUG.2026	SCALE : 1:100 / A0	APPROVED BY : JK
PROJECT NO : K-26008	DRAWING NO :	ST-06-SH-01

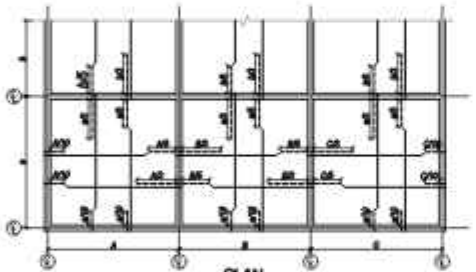
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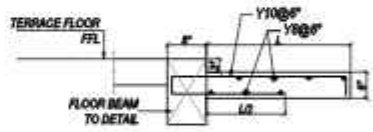
FIRST FLOOR SLAB LAYOUT



PLAN
TYPICAL ONE WAY SLAB REINFORCEMENT DETAIL



PLAN
TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL



TYPICAL SLAB SECTION

Er. S. JAGADEESH KANNAN M.Tech, FE, ME, FIV
CHARTERED CIVIL ENGINEER (IN-1030340)
REGISTERED STRUCTURAL ENGINEER
REGD. No. : TD/832/(S-4)/2825/92/033
24 B, OLD DHARU NAGAR, PUDUPAKKAM,
COIMBATORE - 641 045

SCHEDULE OF SLABS

SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
S1	6"	Y10@6"c/c	Y10@6"c/c	TWO WAY SLAB
S2	6"	Y10@6"c/c	Y10@6"c/c	TWO WAY SLAB
S3	6"	Y10@6"c/c	Y10@6"c/c	ONE WAY SLAB
S4	6"	Y10@6"c/c	Y10@6"c/c	TWO WAY SLAB
S5	6"	Y10@6"c/c	Y10@6"c/c	CANTILEVER SLAB
S6	6"	Y10@6"c/c	Y10@6"c/c	ONE WAY SLAB
S7	6"	Y10@6"c/c	Y10@6"c/c	TWO WAY SLAB
S8	6"	Y10@6"c/c	Y10@6"c/c	ONE WAY SLAB
S9	6"	Y10@6"c/c	Y10@6"c/c	CANTILEVER SLAB

NOTES:
a. ——— BOTTOM BAR
b. ——— TOP BAR
c. PROVIDE Y10@6" FOR DISTRIBUTION BARS, IF NOT SHOWN.

-INDICATES SLAB SUNKEN BY 3"

-INDICATES SLAB SUNKEN BY 6"

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, ON THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M20
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   9.1. FOOTING: SIDE : 75mm
   9.2. FOOTING: TOP & BOTTOM : 50mm
   9.3. COLUMN : 40mm
   9.4. BEAM : 25mm
   9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 50Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   2.1. IN COMPRESSION : 40Ø
   2.2. IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   4.1. COLUMN : 24 HOURS
   4.2. BEAM SIDES : 24 HOURS
   4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS
   : MORE THAN 6M SPAN : 28 DAYS
   4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS
   : MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK
6. SUPPORT DESTINATION
   1.1. LHS - LEFT HAND SIDE SUPPORT
   1.2. RHS - RIGHT HAND SIDE SUPPORT

LEGENDS:
C/C - CENTER TO CENTER
TF - TERRACE FLOOR
SSL - STRUCTURAL SLAB LEVEL

N W E S

R.No	DATE	DESCRIPTION	BY

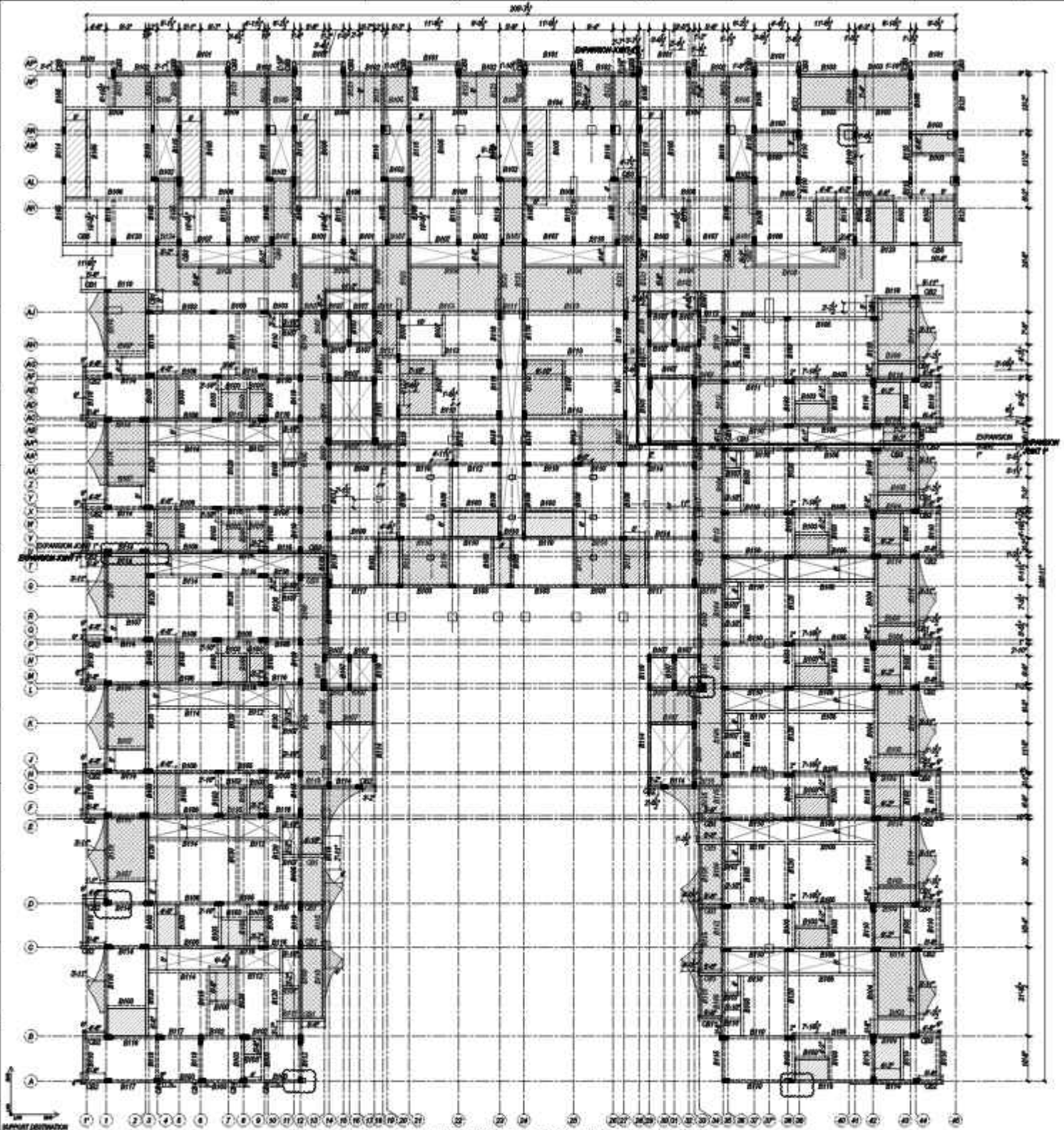
ARCHITECT:
WALLSMITH.ARCHITECTURE.RESEARCH.PRACTICE

STRUCTURAL CONSULTANT:
Archetype
Er.S. JAGADEESH KANNAN,M.E(Struct),FE,ME,FIV,
Archetype Design Services Private Limited
No.31,"JE Towers", Old Dharu Nagar,Pudupalayam,
Coimbatore -641045,Tamilnadu , India
email: jk@archetypesp.com
Web: www.archetypesp.com
Landline: 0422-2324487

TITLE:
FIRST FLOOR SLAB LAYOUT & DETAILS

DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : ST
DATE : 20.AUG.2026	SCALE : 1:100 / A0	APPROVED BY : JK
PROJECT NO : K-26098	DRAWING NO :	ST-06-SH-02

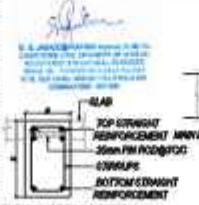
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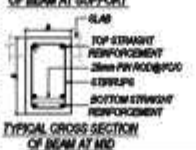
TYPICAL FLOOR BEAM LAYOUT(SECOND FLOOR & FOURTH FLOOR)

SCHEDULE OF FLOOR BEAMS

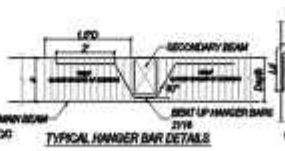
FLOOR BEAM TYPE	BEAM SIZE (mm)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B101	9"x18"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B102	9"x24"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B103	9"x18"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B104	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B105	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B106	9"x24"	2Y20	2Y20	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B107	9"x12"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B108	9"x18"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@300 C/C	-
B109	9"x18"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B110	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B111	9"x18"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@300 C/C	-
B112	9"x12"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B113	12"x24"	2Y20	2Y20	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B114	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B115	9"x12"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B116	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B117	9"x18"	2Y16	-	2Y16	2Y16	-	Y8@150 C/C	Y8@300 C/C	-
B118	9"x12"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@300 C/C	-
B119	9"x12"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B120	9"x12"	2Y16	2Y20	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B121	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B122	9"x18"	2Y16	-	2Y16	2Y16	-	Y8@150 C/C	Y8@300 C/C	-
B123	9"x18"	2Y20	2Y20	2Y20	2Y20	2Y20	Y8@150 C/C	Y8@300 C/C	FB-R1R
B124	9"x12"	2Y16	-	2Y16+2Y14	2Y20	-	Y8@150 C/C	Y8@300 C/C	-
B125	9"x18"	2Y16	2Y16	2Y16+2Y20	2Y16	2Y20	Y8@150 C/C	Y8@300 C/C	-
GB1	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB2	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB3	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB4	9"x12"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB5	9"x18"	2Y20	-	2Y20	2Y20	2Y20	Y8@150 C/C	Y8@300 C/C	FB-R1R



TYPICAL CROSS SECTION OF BEAM AT SUPPORT



TYPICAL CROSS SECTION OF BEAM AT MID



TYPICAL HANGER BAR DETAILS



TYPICAL LAPPING & CURTAILMENT DETAILS OF A CANTILEVER BEAM

NOTES:

-INDICATES SLAB SUNKEN BY 9"

-INDICATES SLAB SUNKEN BY 3"

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. POCKING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 2.1.IN COMPRESSION : 48Ø
   - 2.2.IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS – LEFT HAND SIDE SUPPORT
   - 1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:

N W E S

R/No	DATE	DESCRIPTION	BY

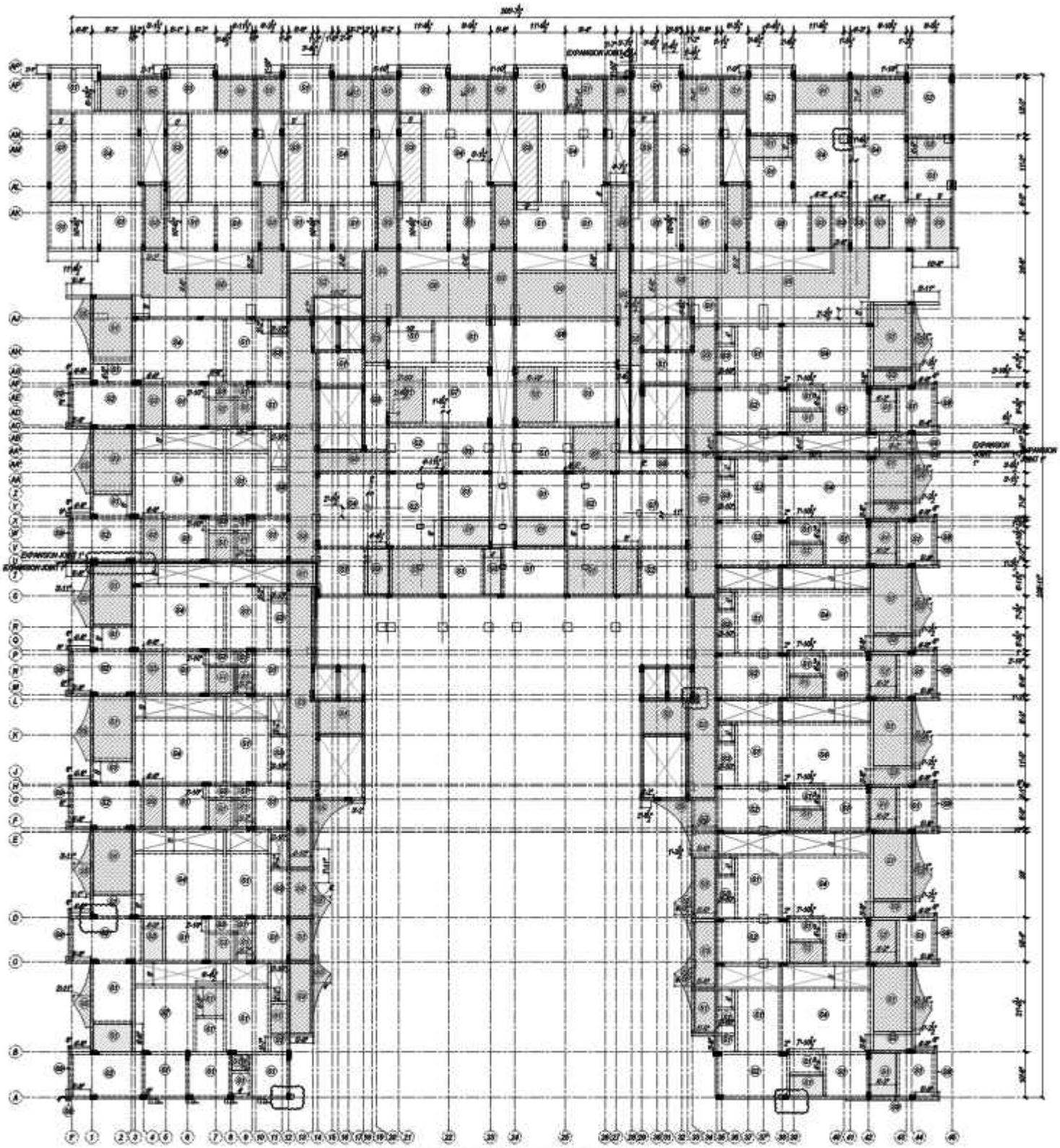
ARCHITECT: warp
WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT: Archetype
Archetype Design Services Private Limited
Mob: +91 Tel: Fax: Email: Website:

TITLE: TYPICAL FLOOR BEAM LAYOUT & DETAILS

DRAWN BY:	NR	DESIGNED BY:	DM
CHECKED BY :	CT	DATE:	20.AUG.2020
SCALE :	1:75 / A1	APPROVED BY :	JK
PROJECT NO :	FL2009	DRAWING NO :	ST-ST-GN-01

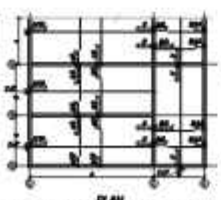
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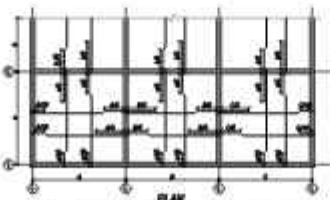
TYPICAL FLOOR SLAB LAYOUT(SECOND FLOOR & FOURTH FLOOR)

SCHEDULE OF SLABS

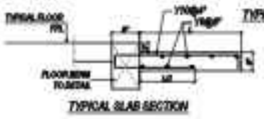
SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
S1	9"	10@150 c/c	10@150 c/c	TWO WAY SLAB
S2	9"	10@150 c/c	10@150 c/c	TWO WAY SLAB
S3	9"	10@150 c/c	10@150 c/c	ONE WAY SLAB
S4	9"	10@150 c/c	10@150 c/c	ONE WAY SLAB
S5	9"	10@150 c/c	10@150 c/c	CANTILEVER SLAB
S6	9"	10@150 c/c	10@150 c/c	TWO WAY SLAB
S7	9"	10@150 c/c	10@150 c/c	ONE WAY SLAB
S8	9"	10@150 c/c	10@150 c/c	ONE WAY SLAB
S9	9"	10@150 c/c	10@150 c/c	ONE WAY SLAB
S10	9"	10@150 c/c	10@150 c/c	CANTILEVER SLAB



PLAN
TYPICAL ONE WAY SLAB REINFORCEMENT DETAIL



PLAN
TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL



TYPICAL SLAB SECTION

NOTES:
- INDICATES SLAB SUNKEN BY 9"
- INDICATES SLAB SUNKEN BY 3"

LEGENDS:

GENERAL NOTES:
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7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 70mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm
10. LAP LENGTH OF BARS : 50Ø, AT COLUMN LAPPING PROVIDE 150mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
11. 11.DEVELOPMENT LONG TH Ld Ø FOR REINFORCEMENT BARS
    - 11.1. IN COMPRESSION : 40Ø
    - 11.2. IN TENSION : 50Ø
12. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
    - 12.1. TOP ROD NEAR COLUMN, LAI ON EITHER SIDES OF COLUMN
    - 12.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LGNGTH, BEYOND COLUMN
    - 12.3. BOTTOM ROD AT MID SPAN OF BEAM
13. REMOVAL OF SHUTTERING / FORMWORK
    - 13.1. COLUMN : 24 HOURS
    - 13.2. BEAM SIDES : 24 HOURS
    - 13.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
    - 13.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
14. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 46% OF THE TARGET STRENGTH, TO REMOVE FORM WORK

ARCHITECT: WARP
WALLSMITH ARCHITECTURE RESEARCH PRACTICE

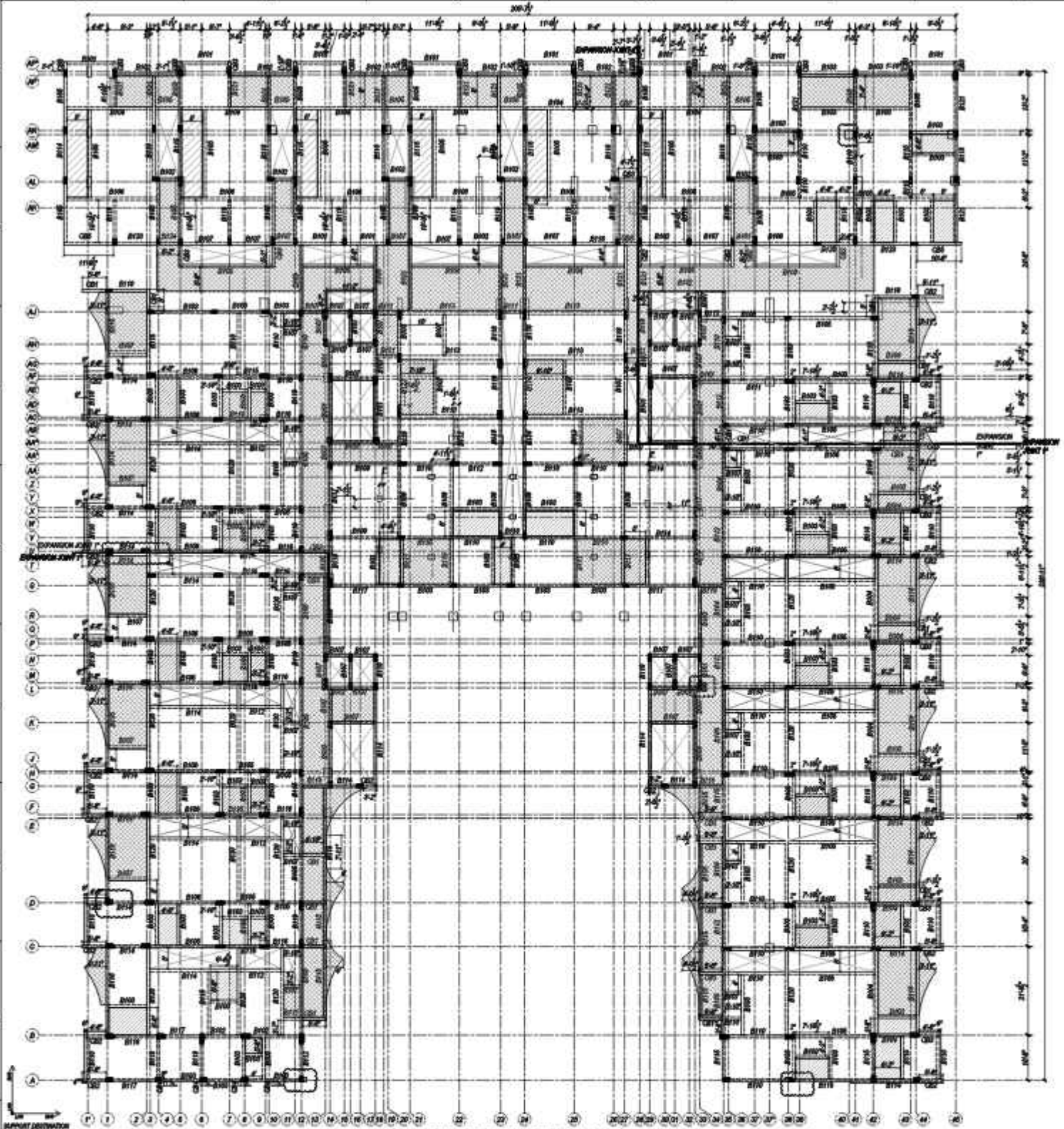
STRUCTURAL CONSULTANT: Archetype
M/S. ARADESH (INDIA) LIMITED
Archetype Design Services Private Limited

TITLE: TYPICAL FLOOR SLAB LAYOUT & DETAILS

DRAWN BY:	NR	DESIGNED BY:	DM
CHECKED BY :	GT		
DATE : 30.AUG.2008	SCALE : 1:75/A1	APPROVED BY :	JK
PROJECT NO :	K-26098	DRAWING NO :	ST-07-01-02

R.No	DATE	DESCRIPTION	BY

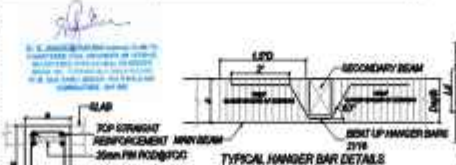
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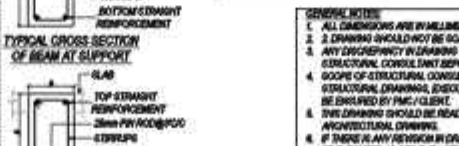
TYPICAL FLOOR BEAM LAYOUT(THIRD FLOOR & FIFTH FLOOR)

SCHEDULE OF FLOOR BEAMS

FLOOR BEAM TYPE	BEAM SIZE (mm)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B101	9"x18"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B102	9"x24"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B103	9"x18"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B104	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B105	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B106	9"x24"	2Y20	2Y20	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B107	9"x12"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@300 C/C	-
B108	9"x18"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@300 C/C	-
B109	9"x18"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B110	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B111	9"x18"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@300 C/C	-
B112	9"x12"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B113	12"x24"	2Y20	2Y20	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B114	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B115	9"x12"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B116	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B117	9"x18"	2Y16	-	2Y16	2Y16	-	Y8@150 C/C	Y8@300 C/C	-
B118	9"x12"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@300 C/C	-
B119	9"x12"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B120	9"x12"	2Y16	2Y20	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B121	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
B122	9"x18"	2Y16	-	2Y16	2Y16	-	Y8@150 C/C	Y8@300 C/C	-
B123	9"x18"	2Y20	2Y20	2Y20	2Y20	2Y20	Y8@150 C/C	Y8@300 C/C	PB-R1R
B124	9"x12"	2Y16	-	2Y16+2Y16	2Y20	-	Y8@150 C/C	Y8@300 C/C	-
B125	9"x18"	2Y16	2Y16	2Y16+2Y20	2Y16	2Y20	Y8@150 C/C	Y8@300 C/C	-
GB1	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB2	9"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB3	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB4	9"x12"	2Y16	-	2Y16	2Y16	2Y16	Y8@150 C/C	Y8@300 C/C	-
GB5	9"x18"	2Y20	-	2Y20	2Y20	2Y20	Y8@150 C/C	Y8@300 C/C	PB-R1R



TYPICAL CROSS SECTION OF BEAM AT SUPPORT



TYPICAL CROSS SECTION OF BEAM AT MID

TYPICAL HANGER BAR DETAILS



TYPICAL LAPPING & CURTAILMENT DETAILS OF A CANTILEVER BEAM

NOTES:

-INDICATES SLAB-SUNKEN BY 9"

-INDICATES SLAB-SUNKEN BY 3"

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 1%DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 2.1. IN COMPRESSION : 40Ø
   - 2.2. IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS – LEFT HAND SIDE SUPPORT
   - 1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:

N W E S

R/No	DATE	DESCRIPTION	BY

ARCHITECT: WARP ARCHITECTURE RESEARCH PRACTICE

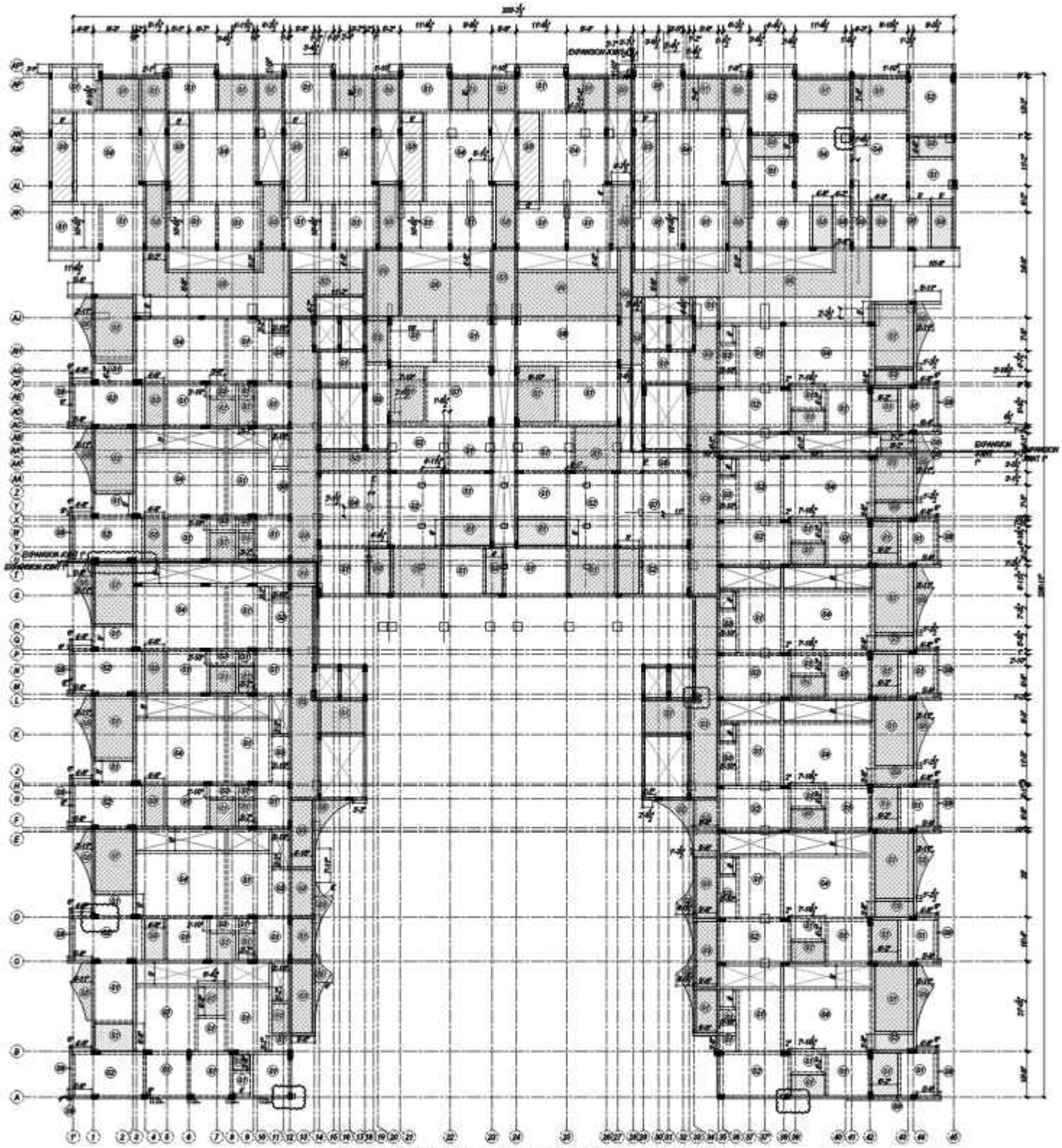
STRUCTURAL CONSULTANT: Archetype

Archetype Design Services Private Limited

TITLE: TYPICAL FLOOR BEAM LAYOUT & DETAILS

DRAWN BY:	NR	DESIGNED BY:	DM
CHECKED BY :	ST	DATE :	20.AUG.2020
SCALE :	1:75 / A1	APPROVED BY :	JK
PROJECT NO :	PL20099	DRAWING NO :	ST-ST-GH-00

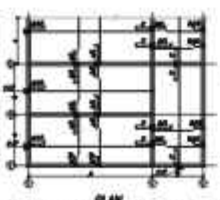
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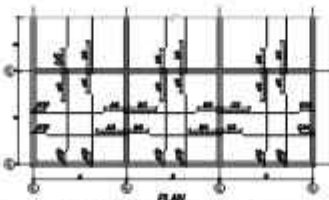
TYPICAL FLOOR SLAB LAYOUT(THIRD FLOOR & FIFTH FLOOR)

SCHEDULE OF SLABS

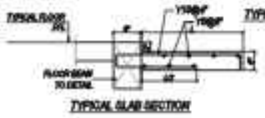
SLAB NO.	THICKNESS	MASTER SPAN REINFORCEMENT	LOWER SPAN REINFORCEMENT	REMARKS
S1	9"	Y16@150	Y16@150	TWO WAY SLAB
S2	9"	Y16@150	Y16@150	TWO WAY SLAB
S3	9"	Y16@150	Y16@150	ONE WAY SLAB
S4	9"	Y16@150	Y16@150	ONE WAY SLAB
S5	9"	Y16@150	Y16@150	CANTILEVER SLAB
S6	9"	Y16@150	Y16@150	ONE WAY SLAB
S7	9"	Y16@150	Y16@150	TWO WAY SLAB
S8	9"	Y16@150	Y16@150	ONE WAY SLAB
S9	9"	Y16@150	Y16@150	CANTILEVER SLAB



PLAN
TYPICAL ONE WAY SLAB REINFORCEMENT DETAIL



PLAN
TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL



TYPICAL SLAB SECTION

NOTES:
- INDICATES SLAB RUNNING BY 9"
- INDICATES SLAB RUNNING BY 5"

LEGENDS:

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, ON THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. POOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 1GDEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
   - 2.1.IN COMPRESSION : 40Ø
   - 2.2.IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.

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S

RVn	DATE	DESCRIPTION	BY

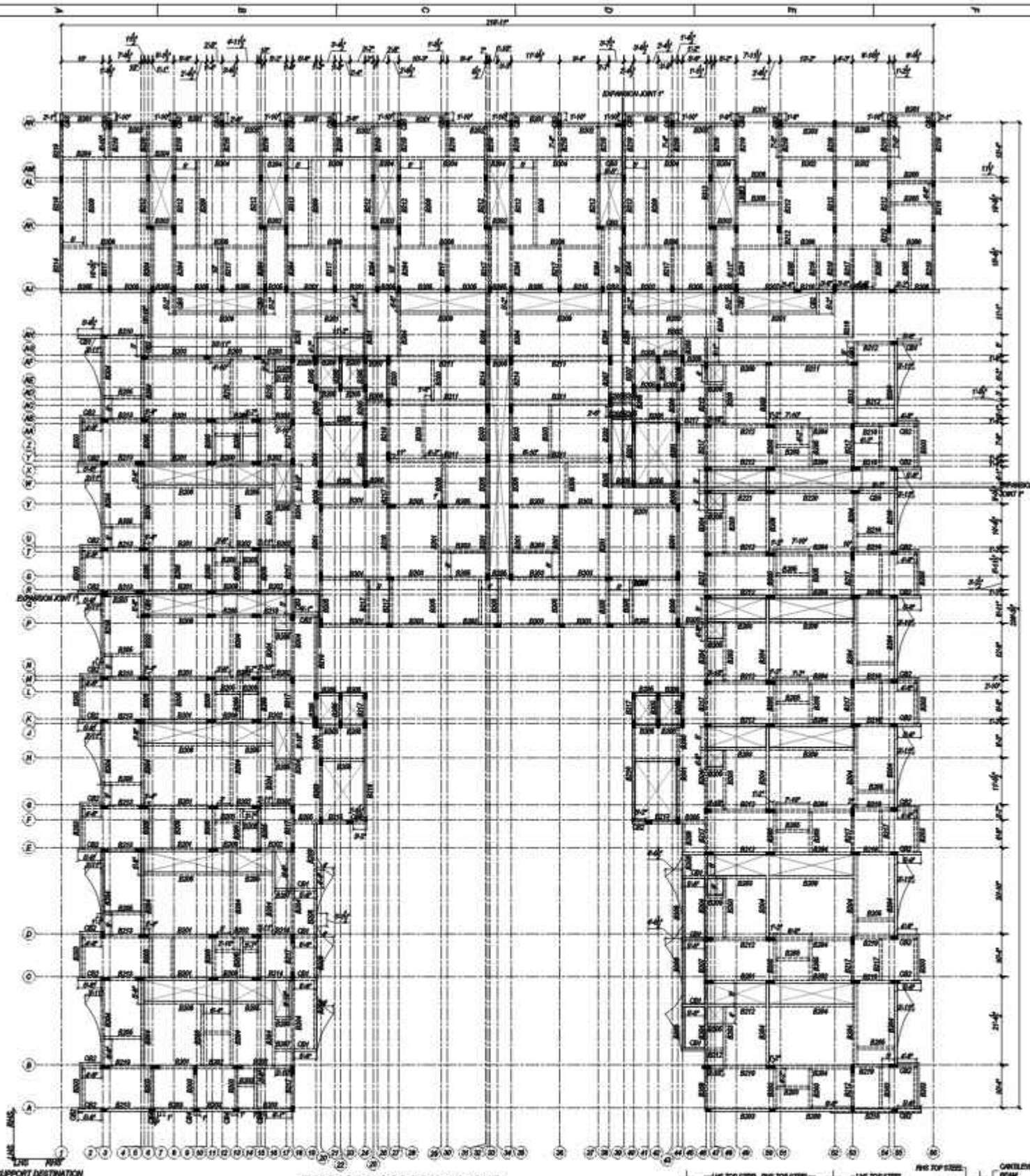
ARCHITECT:
WALLMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:
Archetype

TITLE:
TYPICAL FLOOR SLAB LAYOUT & DETAILS

DRAWN BY:	NR	DESIGNED BY:	DM
CHECKED BY :	GT	DATE :	28.AUG.2020
SCALE :	1:75 / A1	APPROVED BY :	JK
PROJECT NO :	FL2009	DRAWING NO :	02-05-SH-04

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SUPPORT DESTINATION

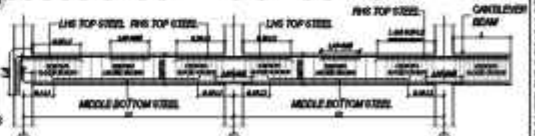
SCHEDULE OF BEAMS

BEAM TYPE	BEAM SIZE (b x D)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B301	9"x24"	2Y16	-	2Y16	-	-	Y8@150C	Y8@300C	-
B302	9"x24"	2Y16	-	2Y16	-	-	Y8@150C	Y8@300C	-
B303	9"x24"	2Y16	-	2Y16	-	-	Y8@150C	Y8@300C	-
B304	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B305	9"x24"	2Y16	-	2Y16	-	-	Y8@150C	Y8@300C	-
B306	9"x24"	2Y16	3Y16	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B307	9"x24"	2Y16	-	2Y16	-	2Y16	Y8@150C	Y8@300C	-
B308	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B309	9"x24"	2Y16	2Y16	2Y16	-	-	Y8@150C	Y8@300C	-
B310	9"x24"	2Y16	-	2Y16	2Y16	-	Y8@150C	Y8@300C	-
B311	12"x24"	2Y16	3Y16	2Y16	-	-	Y8@150C	Y8@300C	-
B312	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B313	9"x24"	2Y16	-	2Y16	2Y16	-	Y8@150C	Y8@300C	-
B314	9"x24"	2Y16	-	2Y16	-	2Y16	Y8@150C	Y8@300C	-
B315	9"x24"	2Y16	-	2Y16	-	2Y16	Y8@150C	Y8@300C	-
B316	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B317	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B318	9"x24"	2Y16	2Y16	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B319	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B320	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B321	9"x24"	2Y16	-	3Y16+2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
B322	9"x24"	2Y16	2Y16	2Y16	-	2Y16	Y8@150C	Y8@300C	-
GB1	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
GB2	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
GB3	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
GB4	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-
GB5	9"x24"	2Y16	-	2Y16	2Y16	2Y16	Y8@150C	Y8@300C	-

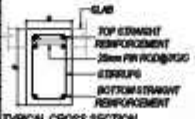
TERRACE FLOOR BEAM LAYOUT



TYPICAL HANGER BAR DETAILS



TYPICAL LAPPING & CURTAILMENT DETAILS OF A CANTILEVER BEAM



TYPICAL CROSS SECTION OF BEAM AT SUPPORT



TYPICAL CROSS SECTION OF BEAM AT MID

NOTES:

-INDICATES SLAB SUNKEN BY 3"

GENERAL NOTES:

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7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 1Ø DEVELOPMENT LENGTH (LD) FOR REINFORCEMENT BARS
   - 2.1. IN COMPRESSION : 40Ø
   - 2.2. IN TENSION : 50Ø
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS
     MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS
     MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS - LEFT HAND SIDE SUPPORT
   - 1.2. RHS - RIGHT HAND SIDE SUPPORT

LEGENDS:

CC - CENTER TO CENTER
LD - DEVELOPMENT LENGTH

N W E S

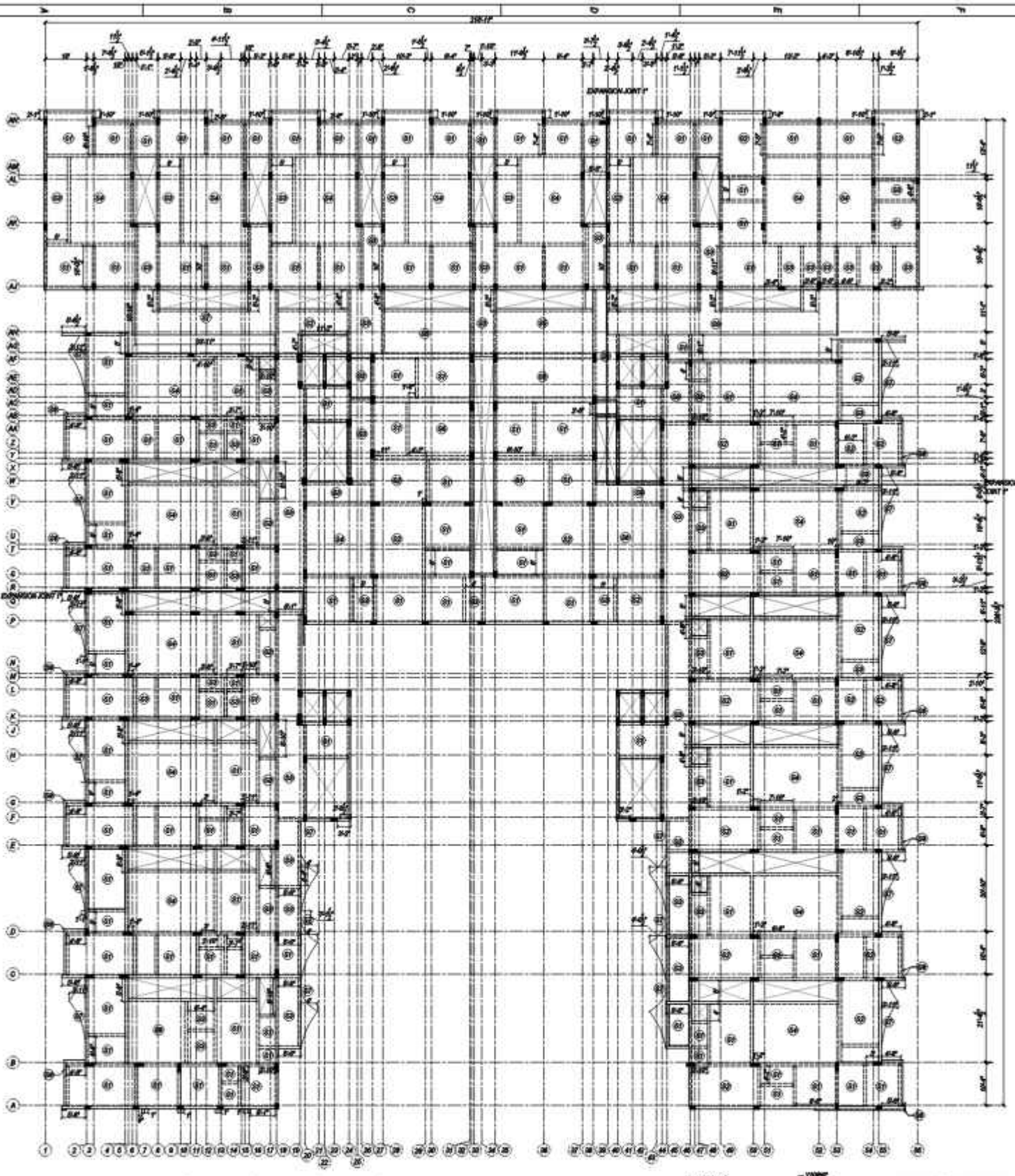
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ARCHITECT: WARP
WALLIAMBIN ARCHITECTURE RESEARCH PRACTICE

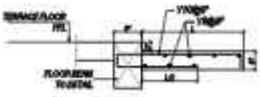
STRUCTURAL CONSULTANT: Archetype
Dr. S. JAGADEESH KANNAN, M.E(Struct), PhD, FIE, FIV, MCPC
Archetype Design Services Private Limited
Phone: +91-422-2444445, Mobile: 9443222444
Email: info@archetypeindia.com
Web: www.archetypeindia.com

TITLE: TERRACE FLOOR BEAM LAYOUT			
DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : ST	
DATE: 28.AUG.2020	SCALE : 1:75 / A1	APPROVED BY : JK	
PROJECT NO : PJ-2020	DRAWING NO :	ST-06-GH-01	
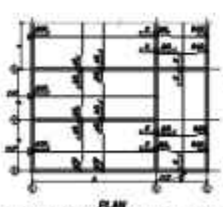
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TERRACE FLOOR SLAB LAYOUT

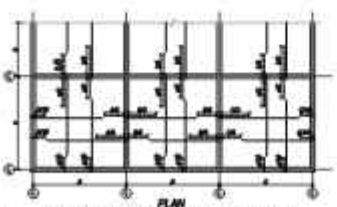


TYPICAL SLAB SECTION



PLAN

TYPICAL ONE WAY SLAB REINFORCEMENT DETAIL



PLAN

TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL

SCHEDULE OF SLABS

SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
S1	9"	Y10@150c/c	Y10@150c/c	TWO WAY SLAB
S2	9"	Y10@150c/c	Y10@150c/c	TWO WAY SLAB
S3	9"	Y10@150c/c	Y10@150c/c	ONE WAY SLAB
S4	9"	Y10@150c/c	Y10@150c/c	TWO WAY SLAB
S5	9"	Y10@150c/c	Y10@150c/c	ONE WAY SLAB
S6	9"	Y10@150c/c	Y10@150c/c	TWO WAY SLAB
S7	9"	Y10@150c/c	Y10@150c/c	CANTILEVER SLAB
S8	9"	Y10@150c/c	Y10@150c/c	CANTILEVER SLAB
S9	9"	Y12@150c/c	Y10@150c/c	CANTILEVER SLAB

NOTES:

a. ——— BOTTOM BAR
b. ——— TOP BAR
c. PROVIDE Y10@150 FOR DISTRIBUTION BARS, IF NOT SHOWN.

INDICATES SLAB RUNNER BY 9"

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THE DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60ϕ, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10. DEVELOPMENT LENGTH (LD) FOR REINFORCEMENT BARS
   - 2.1. IN COMPRESSION : 48ϕ
   - 2.2. IN TENSION : 50ϕ
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 66% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS – LEFT HAND SIDE SUPPORT
   - 1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:

CC- CENTER TO CENTER
TF- TERRACE FLOOR
SSL - STRUCTURAL SLAB LEVEL

N W E S

R/No	DATE	DESCRIPTION	BY

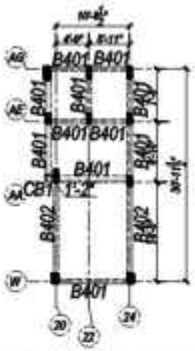
ARCHITECT:
WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:
Archetype
Dr. S. JAGADEESH KANNAN, M.E(Struct), PhD, FIE, FIV, MCI
Archetype Design Services Private Limited
Chennai - 600 042. India.
email: info@archetypeindia.com
Web: www.archetypeindia.com

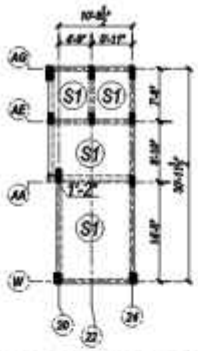
TITLE:
TERRACE FLOOR SLAB LAYOUT

DRAWN BY:	DRK	DESIGNED BY:	DM	CHECKED BY :	GT
DATE : 28.AUG.2020		SCALE : 1:75 / A1		APPROVED BY :	JK
PROJECT NO :	FL2009	DRAWING NO :		GT-09-01-02	

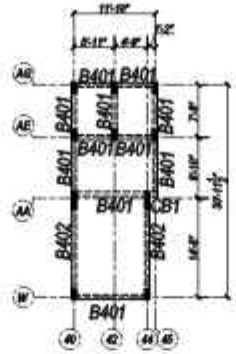
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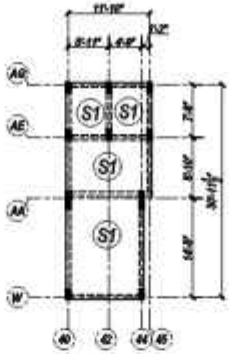
HEADROOM BEAM LAYOUT



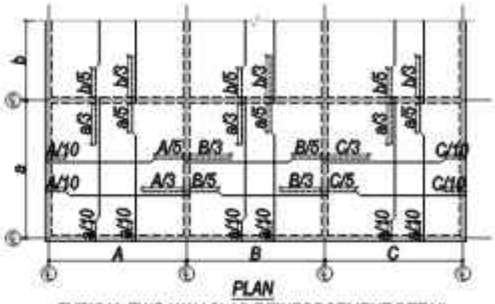
HEADROOM SLAB LAYOUT



HEADROOM BEAM LAYOUT

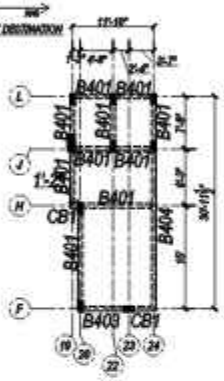


HEADROOM SLAB LAYOUT

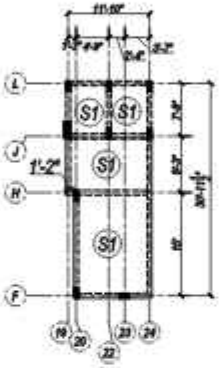


PLAN

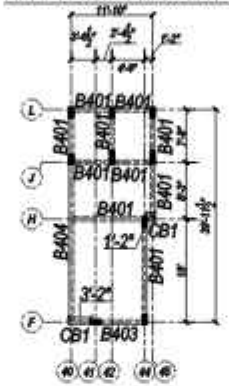
TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL



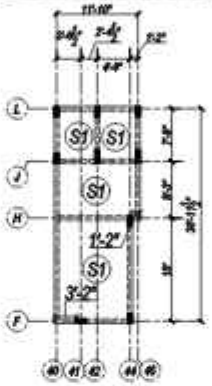
HEADROOM BEAM LAYOUT



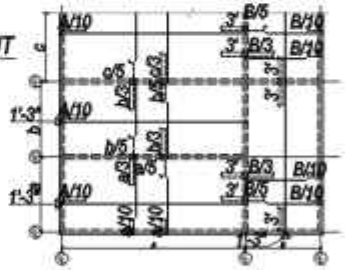
HEADROOM SLAB LAYOUT



HEADROOM BEAM LAYOUT



HEADROOM SLAB LAYOUT



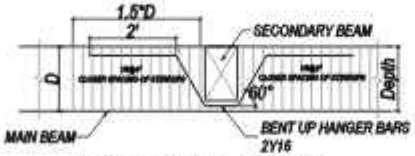
PLAN

TYPICAL ONE WAY SLAB REINFORCEMENT DETAIL

Er. S. JAGADEESH KANNAN
CHARTERED CIVIL ENGINEER (M-1539045)
REGISTERED STRUCTURAL ENGINEER
21 B, OLD GANU NAGAR, PULIYAKULAM
COIMBATORE - 641 045

SCHEDULE OF SLAB

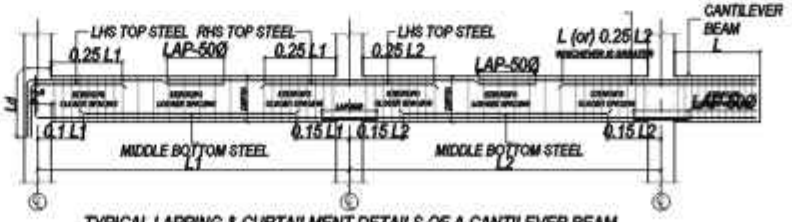
SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
S1	5"	Y8@6"c/c	Y8@6"c/c	TWO WAY SLAB



TYPICAL HANGER BAR DETAILS

SCHEDULE OF FLOOR BEAMS

FLOOR BEAM TYPE	BEAM SIZE (BxD)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B401	8"x12"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@200 C/C	-
B402	8"x15"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@200 C/C	-
B403	8"x18"	2Y16	-	2Y16	-	2Y16	Y8@150 C/C	Y8@200 C/C	-
B404	8"x18"	3Y16	-	2Y16	-	-	Y8@150 C/C	Y8@200 C/C	-
CB1	8"x18"	2Y16	-	2Y16	2Y16	2Y16	Y8@100 C/C	Y8@100 C/C	-



TYPICAL LAPPING & CURTAILMENT DETAILS OF A CANTILEVER BEAM

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, ON THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm
10. 10. LAP LENGTH OF BARS : 50ϕ, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
11. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
    - 11.1. IN COMPRESSION : 40ϕ
    - 11.2. IN TENSION : 50ϕ
12. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
    - 12.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
    - 12.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
    - 12.3. BOTTOM ROD AT MID SPAN OF BEAM
13. REMOVAL OF SHUTTERING / FORM WORK
    - 13.1. COLUMN : 24 HOURS
    - 13.2. BEAM SIDES : 24 HOURS
    - 13.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
    - 13.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
14. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK
15. SUPPORT DESTINATION
    - 1.1. LHS - LEFT HAND SIDE SUPPORT
    - 1.2. RHS - RIGHT HAND SIDE SUPPORT

NOTES:

LEGENDS:

Ld - DEVELOPMENT LENGTH
C/C - CENTER TO CENTER

N W E S

RUN	DATE	DESCRIPTION	BY

ARCHITECT:

WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:

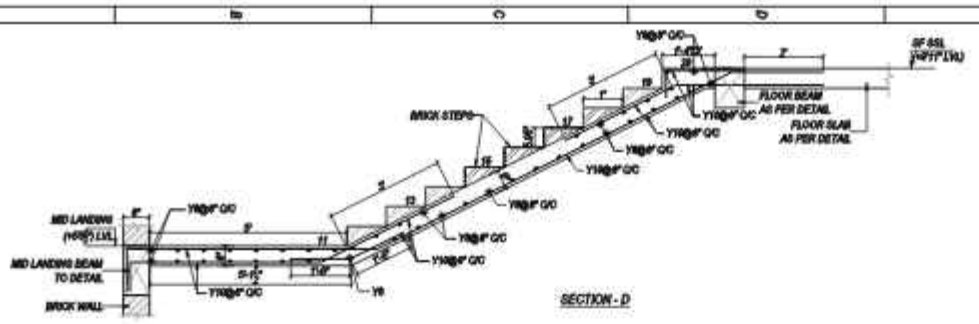
Er.S. JAGADEESH KANNAN M.E(Struct.),F.I.E.,M.I.V.I.,

Archetype Design Services Private Limited
No.01,"JK Towers", Old Dhanraj Nagar,Puliakulam,
Coimbatore - 641045,Tamilnadu., India
email: jk@archetypeapl.com
Web: www.archetypeapl.com
Landline: 0422-2554487

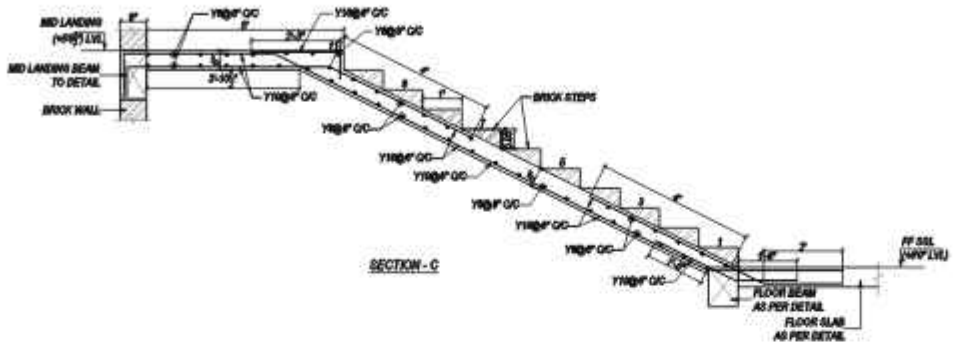
TITLE: HEADROOM BEAM & SLAB LAYOUT & DETAILS

DRAWN BY: NR	DESIGNED BY: DM	CHECKED BY : ST
DATE : 05.SEP.2020	SCALE : 1:100 / A1	APPROVED BY : JK
PROJECT NO : K-20008	DRAWING NO : ST-09	

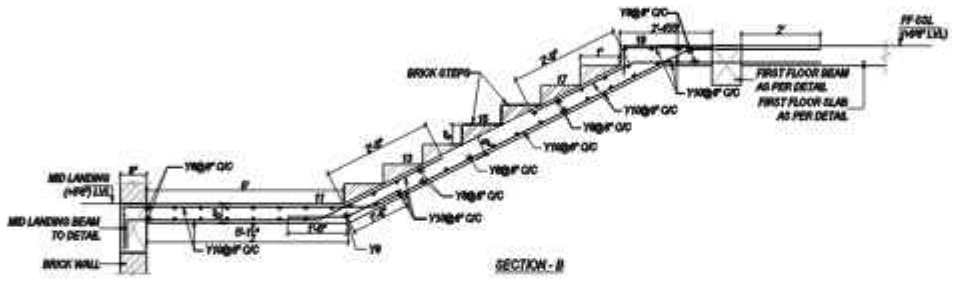
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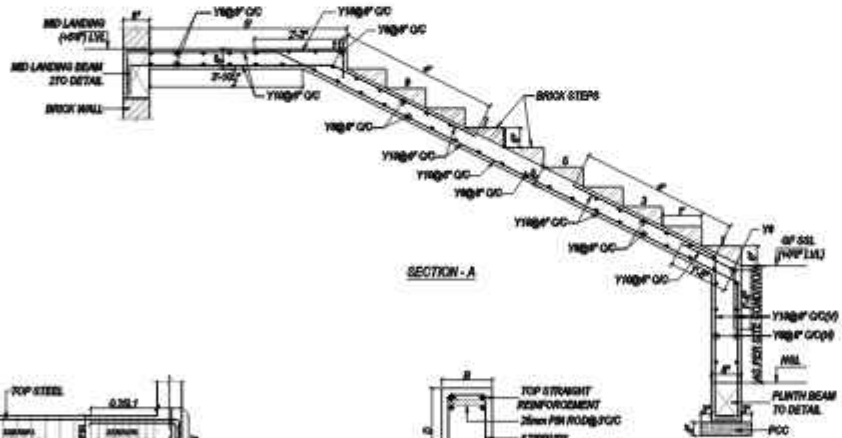
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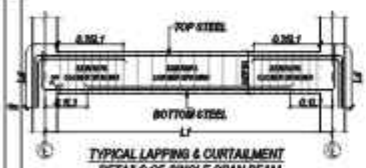
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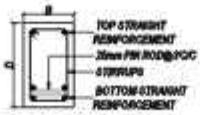


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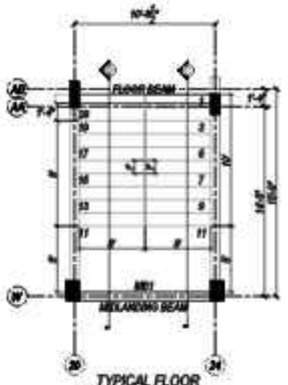


TYPICAL LAPPING & CURTAILMENT DETAILS OF SINGLE SPAN BEAM

TYPICAL CROSS SECTION OF BEAM AT SUPPORT



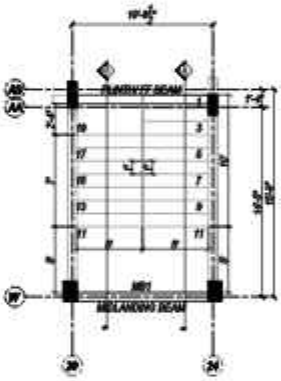
TYPICAL CROSS SECTION OF BEAM AT MID



TYPICAL FLOOR STAIRCASE - 01 PLAN



TYPICAL FLOOR STAIRCASE - 02 PLAN

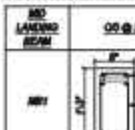
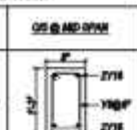
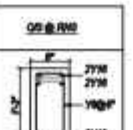


STILT FLOOR TO FIRST FLOOR STAIRCASE - 01 PLAN



STILT FLOOR TO FIRST FLOOR STAIRCASE - 02 PLAN

SCHEDULE OF MID LANDING BEAM

MID LANDING BEAM	O/S @ LHS	O/S @ MID SPAN	O/S @ RHS
MB1			

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
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5. SHE DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR:
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. POOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60ϕ, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS:
   - 2.1.IN COMPRESSION : 40ϕ
   - 2.2.IN TENSION : 50ϕ
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
   - 3.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
   - 3.3. BOTTOM ROD AT MID SPAN OF BEAM
4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
   - 4.2. BEAM SIDES : 24 HOURS
   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS – LEFT HAND SIDE SUPPORT
   - 1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:

1. C/C – CENTER TO CENTER
2. C/S – CROSS SECTION
3. GF – GROUND FLOOR
4. FF – FIRST FLOOR
5. SSL – STRUCTURAL SLAB LEVEL
6. HGL – NATURAL GROUND LEVEL
7. H – HORIZONTAL REINFORCEMENT
8. V – VERTICAL REINFORCEMENT

Rev	DATE	DESCRIPTION	BY

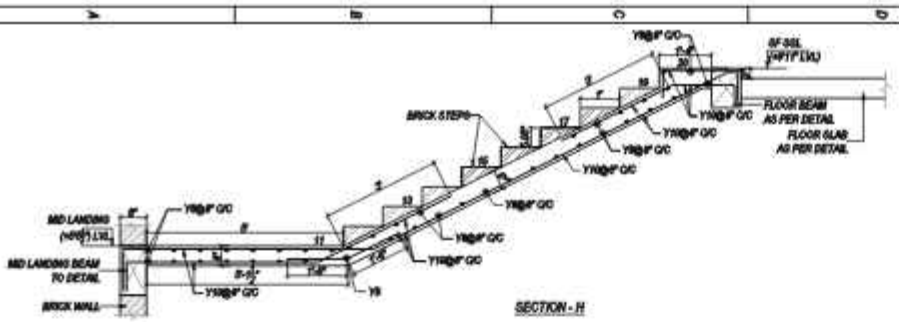
ARCHITECT: WARP — WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT: Archetype — Archetype Design Services Private Limited

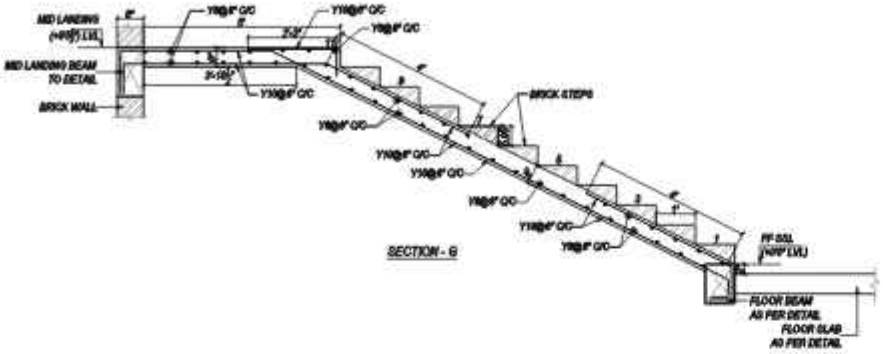
TITLE: STAIRCASE – 01,02 LAYOUT & DETAILS

DRAWN BY: LA	DESIGNED BY: DM	CHECKED BY : GT
DATE : 05.SEP.2020	SCALE : 1:25 / A1	APPROVED BY : JK
PROJECT NO : FL2009	DRAWING NO :	03-10-SH-01

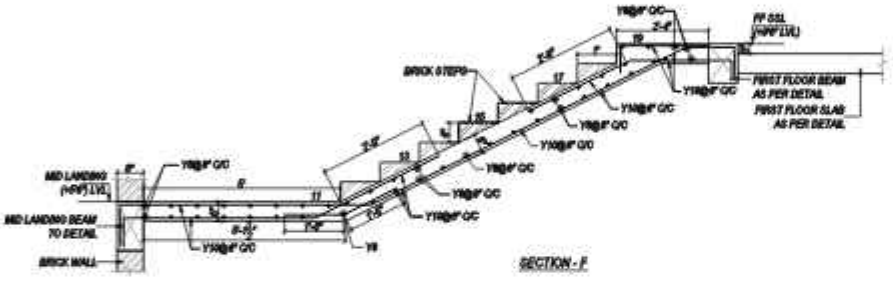
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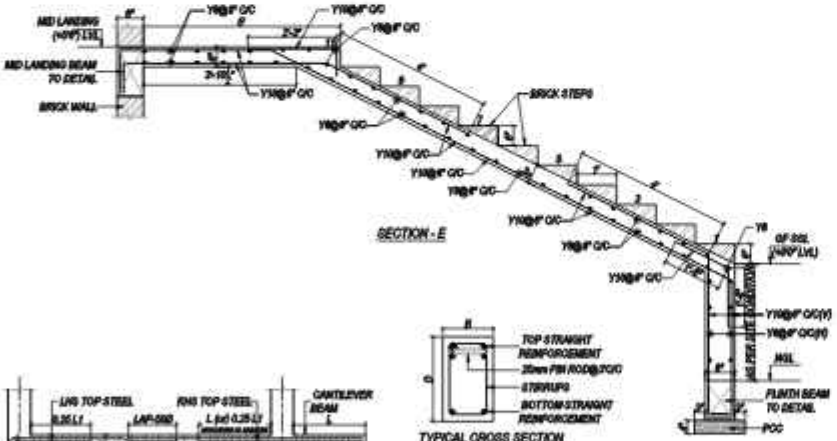
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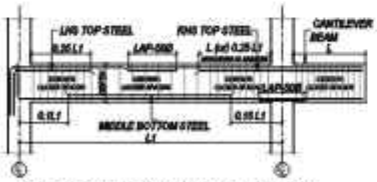
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SECTION - F

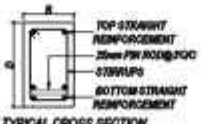


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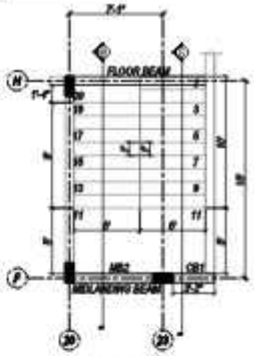


TYPICAL LAPPING & CURTAILMENT DETAILS OF BEAM

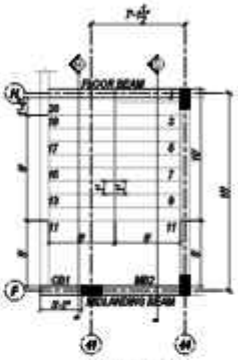
TYPICAL CROSS SECTION OF BEAM AT SUPPORT



TYPICAL CROSS SECTION OF BEAM AT MID



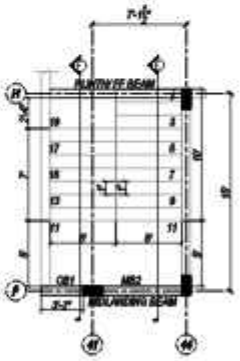
TYPICAL FLOOR STAIRCASE - 03 PLAN



TYPICAL FLOOR STAIRCASE - 04 PLAN



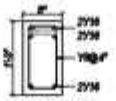
STILT FLOOR TO FIRST FLOOR STAIRCASE - 03 PLAN



STILT FLOOR TO FIRST FLOOR STAIRCASE - 04 PLAN

SCHEDULE OF MID LANDING BEAM

MID LANDING BEAM	QS @ LHS	QS @ MID SPAN	QS @ RHS
MB2	2Y16 / 2Y16 / Y8@9" / 2Y16	2Y16 / 2Y16 / Y8@9" / 2Y16	2Y16 / 2Y16 / Y8@9" / 2Y16



CB1 DETAIL

GENERAL NOTES:

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5. SHE DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, OR THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M35
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. POOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm

1. LAP LENGTH OF BARS : 60ϕ, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
2. 10. DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
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   - 2.2. IN TENSION : 50ϕ
3. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
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   - 3.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
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4. REMOVAL OF SHUTTERING / FORM WORK
   - 4.1. COLUMN : 24 HOURS
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   - 4.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
   - 4.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
5. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 66% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
6. SUPPORT DESTINATION
   - 1.1. LHS – LEFT HAND SIDE SUPPORT
   - 1.2. RHS – RIGHT HAND SIDE SUPPORT

LEGENDS:
1. GC– CENTER TO CENTER
2. CS– CROSS SECTION
3. GF– GROUND FLOOR
4. FF– FIRST FLOOR
5. SSL – STRUCTURAL SLAB LEVEL
6. HGL – HISTORIC GROUND LEVEL
7. H – HORIZONTAL REINFORCEMENT
8. V – VERTICAL REINFORCEMENT

N / W / E / S

R/No	DATE	DESCRIPTION	BY

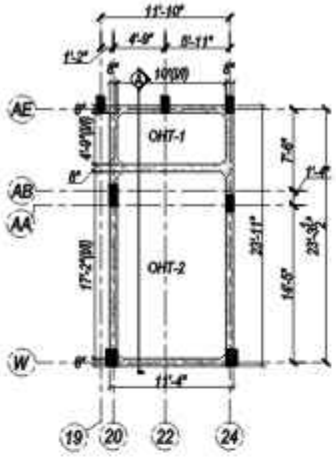
ARCHITECT: WARP — WALLSMITH, ARCHITECTURE, RESEARCH, PRACTICE

STRUCTURAL CONSULTANT: Archetype — Archetype Design Services Private Limited

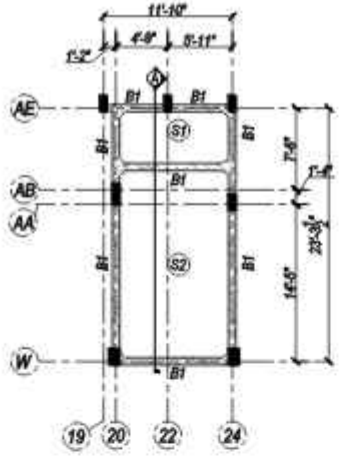
TITLE: STAIRCASE – SLAB LAYOUT & DETAILS

DRAWN BY: LA	DESIGNED BY: DM	CHECKED BY : ST
DATE : 05.SEP.2020	SCALE : 1:25 / A1	APPROVED BY : JK
PROJECT NO : PL2009	DRAWING NO :	ST-10-GH-02

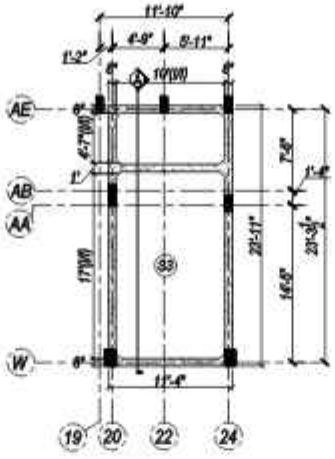
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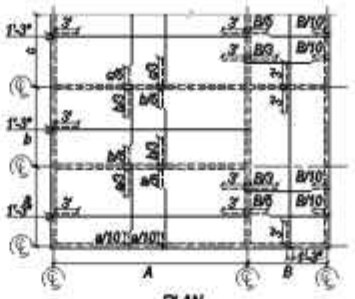
OHT LAYOUT



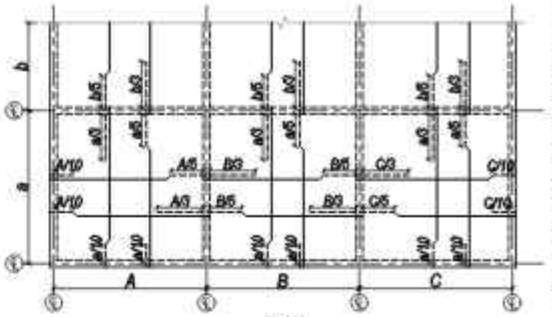
BASE BEAM, SLAB LAYOUT @
+3'0"LVL FROM HEAD ROOM SSL



COVER SLAB LAYOUT @
+7'5"LVL FROM HEAD ROOM SSL



PLAN
TYPICAL ONE WAY SLAB
REINFORCEMENT DETAILING

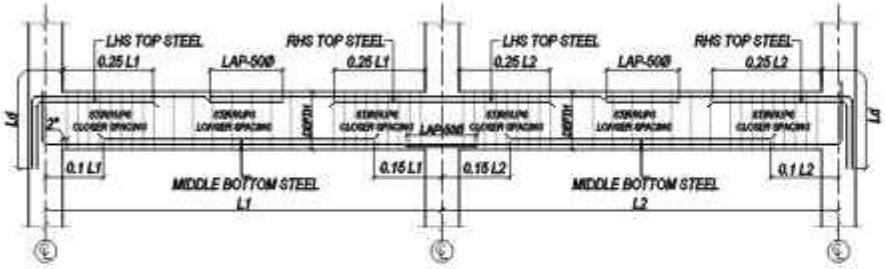


PLAN
TYPICAL TWO WAY SLAB REINFORCEMENT DETAILING

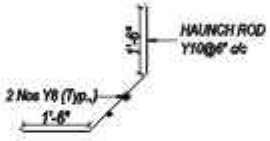
SCHEDULE OF SLAB

SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
S1	6"	Y8@4"c/c	Y8@6"c/c	ONE WAY SLAB
S2	6"	Y10@4"c/c	Y8@6"c/c	TWO WAY SLAB
S3	6"	Y10@4"c/c	Y8@6"c/c	TWO WAY SLAB

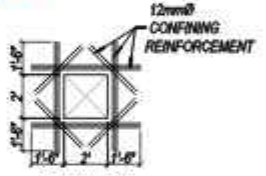
Dr. S. JAGADEESH KANNAN M.Sc(Engg)., Ph. MR. Ph.
CHARTERED CIVIL ENGINEER (M-160362)
REGISTERED STRUCTURAL ENGINEER
M(U)D No. TD/R3/C-3/2018/12.012
21 B, OLD DAMU NAGAR, PUTHUKULAM
COIMBATORE - 641 045



TYPICAL LAPPING & CURTAILMENT DETAILS OF A CONTINUOUS BEAM



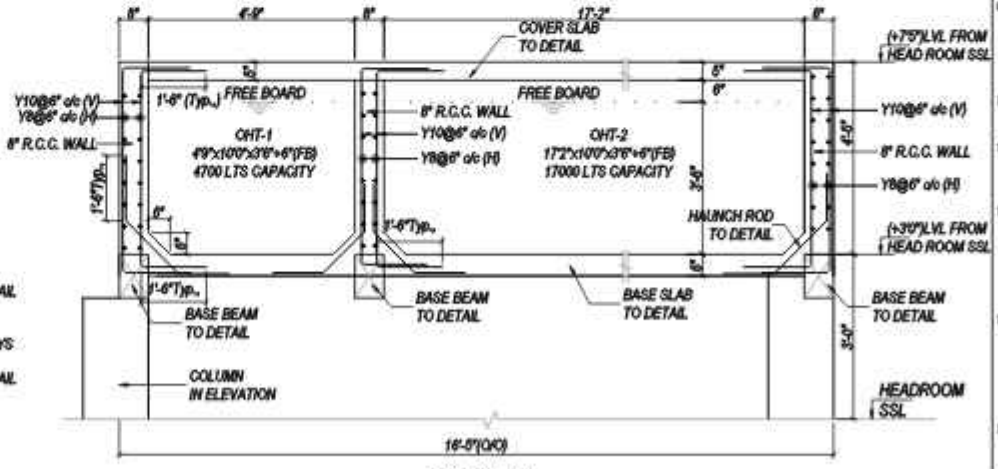
TYPICAL HAUNCH
ROD DETAILS



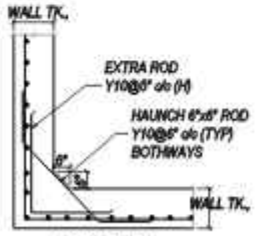
PLAN VIEW
TYPICAL MANHOLE OPENING
DETAILS

SCHEDULE OF FLOOR BEAM

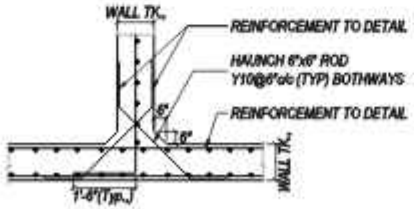
FLOOR BEAM TYPE	BEAM SIZE (BxD)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
		STRAIGHT	CURTAILMENT	STRAIGHT	AT SUPPORT LHS CURTAILMENT	AT SUPPORT RHS CURTAILMENT	ENDS	MIDDLE	
B1	8"x15"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@200 C/C	-



SECTION - AA



PLAN VIEW
TYPICAL WALL JUNCTION @ CORNER



PLAN VIEW TYPICAL WALL
JUNCTION DETAIL

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN FEET AND INCHES, UNLESS OTHERWISE SPECIFIED.
2. 2. DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
3. ANY DISCREPANCY IN DRAWING SHALL BE BRING TO NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. SCOPE OF STRUCTURAL CONSULTANT ENDS, WITH THE ISSUE OF STRUCTURAL DRAWINGS, EXECUTION OF WORK AS PER DRAWING SHOULD BE ENSURED BY PMC / CLIENT.
5. THIS DRAWING SHOULD BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWING.
6. IF THERE IS ANY REVISION IN DRAWING, FURTHER CONSTRUCTION SHALL BE EXECUTED AS PER THE LATEST REVISED DRAWING, ON THE ISSUE OF LATEST REVISION.
7. GRADE OF CONCRETE SHALL BE M30
8. GRADE OF STEEL SHALL BE Fe500
9. CLEAR COVER FOR
   - 9.1. FOOTING: SIDE : 75mm
   - 9.2. FOOTING: TOP & BOTTOM : 50mm
   - 9.3. COLUMN : 40mm
   - 9.4. BEAM : 25mm
   - 9.5. SLAB : 20mm
10. 10. LAP LENGTH OF BARS : 50Ø, AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES, NO LAPPING ALLOWED AT BEAM-COLUMN JOINT.
11. 10.DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT BARS
    - 11.1. IN COMPRESSION : 40Ø
    - 11.2. IN TENSION : 50Ø
12. IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
    - 12.1. TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
    - 12.2. TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
    - 12.3. BOTTOM ROD AT MID SPAN OF BEAM
13. REMOVAL OF SHUTTERING / FORM WORK
    - 13.1. COLUMN : 24 HOURS
    - 13.2. BEAM SIDES : 24 HOURS
    - 13.3. BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
    - 13.4. SLAB : LESS THAN 6M SPAN : 14 DAYS; MORE THAN 6M SPAN : 28 DAYS
14. HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK
15. SUPPORT DESTINATION
    - 1.1. LHS - LEFT HAND SIDE SUPPORT
    - 1.2. RHS - RIGHT HAND SIDE SUPPORT

NOTES:

a. ——— - BOTTOM BAR
b. — — — - TOP BAR
c. PROVIDE Y8@6" FOR DISTRIBUTION BARS, IF NOT SHOWN.
d. [XXX] -INDICATES R.C.C WALL

LEGENDS:

H - HORIZONTAL BAR
V - VERTICAL BAR
C/C - CENTER TO CENTER
C/S - CROSS SECTION
Ld - DEVELOPMENT LENGTH

N W E S

R.No.	DATE	DESCRIPTION	BY

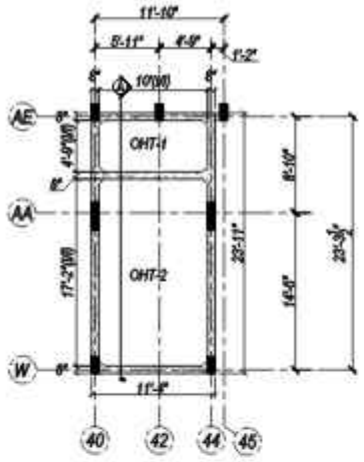
ARCHITECT:
WALLSMITH ARCHITECTURE RESEARCH PRACTICE

STRUCTURAL CONSULTANT:
Dr.S. JAGADEESH KANNAN M.Sc(Engg)., Ph.MR.,Ph.
Archetype Design Services Private Limited
No.21,"JK Towers", Old Dharmo Nagar,Puthukulam,
Coimbatore - 641045,Tamilnadu., India
email: jk@archetypepl.com
Web: www.archetypepl.com
Landline: 0422-2554487

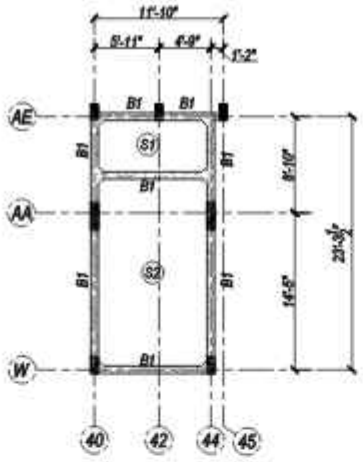
TITLE: OHT LAYOUT & DETAILS

DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : ST
DATE : 10.SEP.2020	SCALE : 1:100 / A3	APPROVED BY : JK
PROJECT NO : K-20006	DRAWING NO : ST-11	

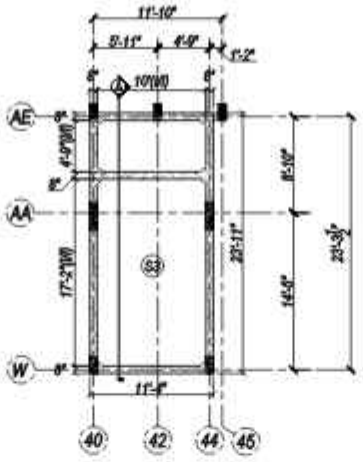
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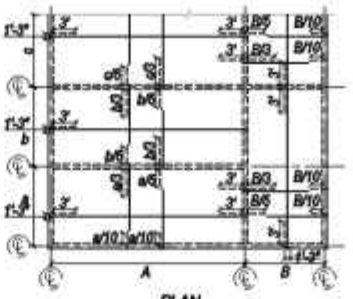
OHT LAYOUT



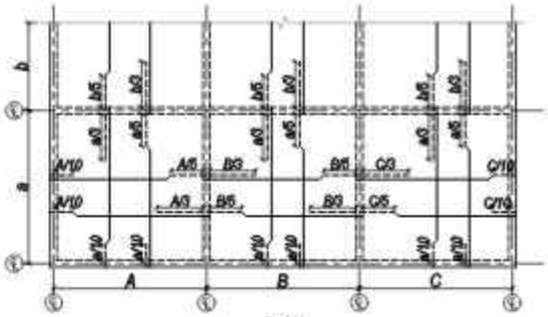
BASE BEAM, SLAB LAYOUT @
+3'0"LVL FROM HEAD ROOM SSL



COVER SLAB LAYOUT @
+7'5"LVL FROM HEAD ROOM SSL



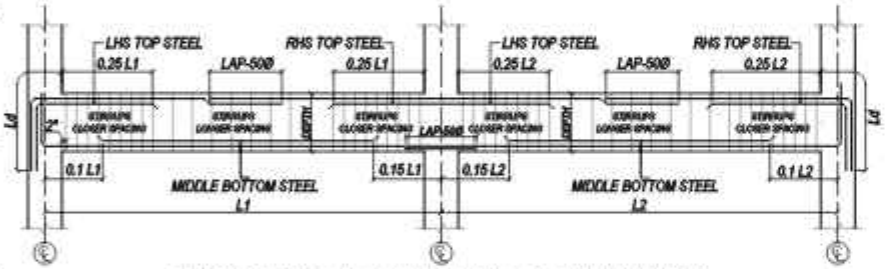
PLAN
TYPICAL ONE WAY SLAB
REINFORCEMENT DETAILING



PLAN
TYPICAL TWO WAY SLAB REINFORCEMENT DETAILING

SCHEDULE OF SLAB

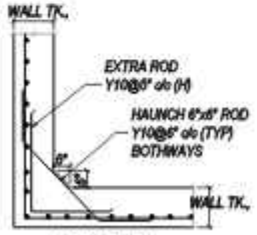
SLAB NO.	THICKNESS	SHORTER SPAN REINFORCEMENT	LONGER SPAN REINFORCEMENT	REMARKS
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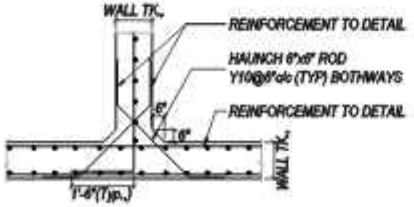
TYPICAL LAPPING & CURTAILMENT DETAILS OF A CONTINUOUS BEAM

SCHEDULE OF FLOOR BEAM

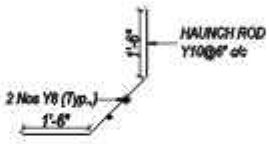
FLOOR BEAM TYPE	BEAM SIZE (BxD)	BOTTOM STEEL		TOP STEEL			STIRRUPS		REMARKS
				AT SUPPORT					
		STRAIGHT	CURTAILMENT	STRAIGHT	LHS CURTAILMENT	RHS CURTAILMENT	ENDS	MIDDLE	
B1	6"x15"	2Y16	-	2Y16	-	-	Y8@150 C/C	Y8@200 C/C	-



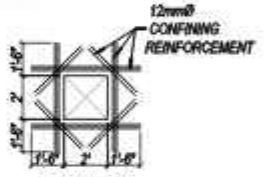
PLAN VIEW
TYPICAL WALL JUNCTION @ CORNER



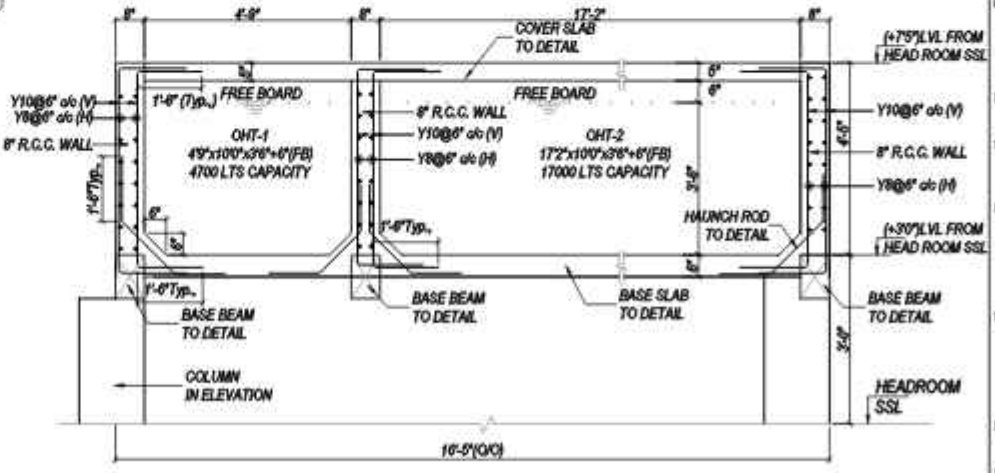
PLAN VIEW TYPICAL WALL
JUNCTION DETAIL



TYPICAL HAUNCH
ROD DETAILS



PLAN VIEW
TYPICAL MANHOLE OPENING
DETAILS



SECTION - AA

GENERAL NOTES:

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V - VERTICAL BAR
C/C - CENTER TO CENTER
C/S - CROSS SECTION
Ld - DEVELOPMENT LENGTH

N / W / E / S

R.No	DATE	DESCRIPTION	BY

ARCHITECT:
WALLSMBH.ARCHITECTURE.RESEARCH.PRACTICE

STRUCTURAL CONSULTANT:
Archetype Design Services Private Limited
Archetype

TITLE: OHT LAYOUT & DETAILS

DRAWN BY: DRK	DESIGNED BY: DM	CHECKED BY : ST
DATE : 10.SEP.2020	SCALE : 1:100 / A3	APPROVED BY : JK
PROJECT NO : K-20008	DRAWING NO : ST-12	

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THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

Verified RealEstate
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai 600 097, India
hello@verified.realestate
+91 9996 12 9996

Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.