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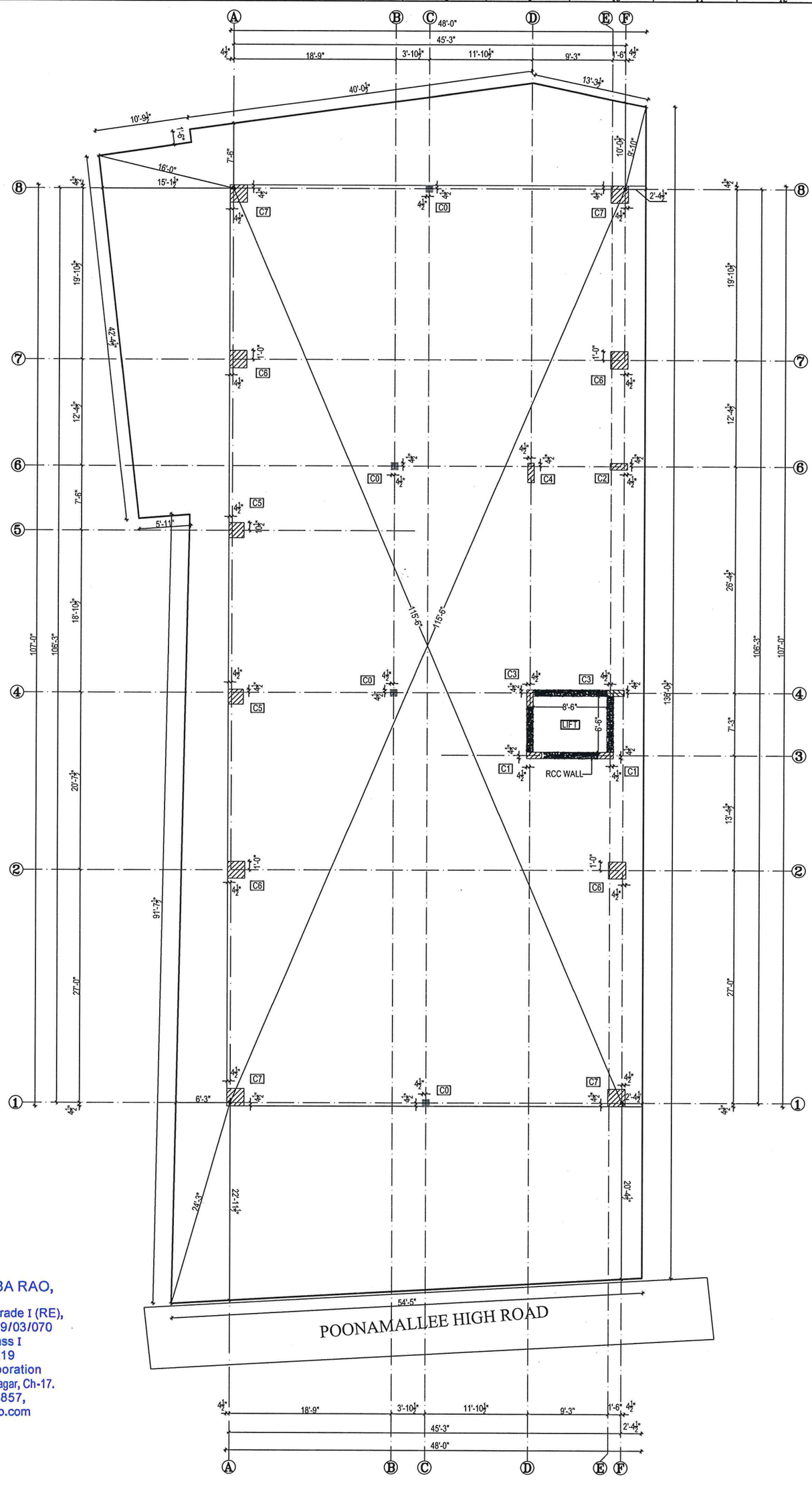
3/350/2 Mettukuppam,
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ADDRESS	LICENSE
PLAN SHOWING THE PROPOSED CONSTRUCTION STILT +3 FLOORS COMMERCIAL (OFFICE) BUILDING AT DOOR NO: 366,POONAMALLEE HIGH ROAD, AMINJIKARAI, CHENNAI - 600029 COMPRISED IN O.S.NO:70/1 PART, T.S.NO: 2/8, BLOCK NO: 23 , OF AMINJIKARAI VILLAGE, AMINJIKARAI TALUK. WITH IN THE LIMIT OF GREATER CHENNAI CORPORATION DIVISION NO: 102 ZONE :08.	M.VENKATA SUBBA RAO B.E, M.S(STRUCTURAL) REGISTERED ENGINEER I (RE), CMDA NO.RE/GR-1/19/03/070, LICENSED SURVEYOR,CLASS I, L.S.NO. RSE100862019 GREATER CHENNAI CORPORATION 38/74,BAZULLAH ROAD,T.NAGAR, CH-17. PH:28344962/28344857 EMAIL:vmadala@yahoo.com

DRAWING:	STRUCTURAL DRAWING				
DESIGN BY:	MANIKANDAN	SCALE:	NTS		
DRAWN BY:	MANIKANDAN	DATE:	28.05.2024		
CHECKED BY:	VENKAT	PROJECT:	2023018		
BUILDING:	COMMERCIAL BUILDING				
FLOOR:	CENTERLINE DRAWING				

ARCHITECT
Audiseshaiah & Sons

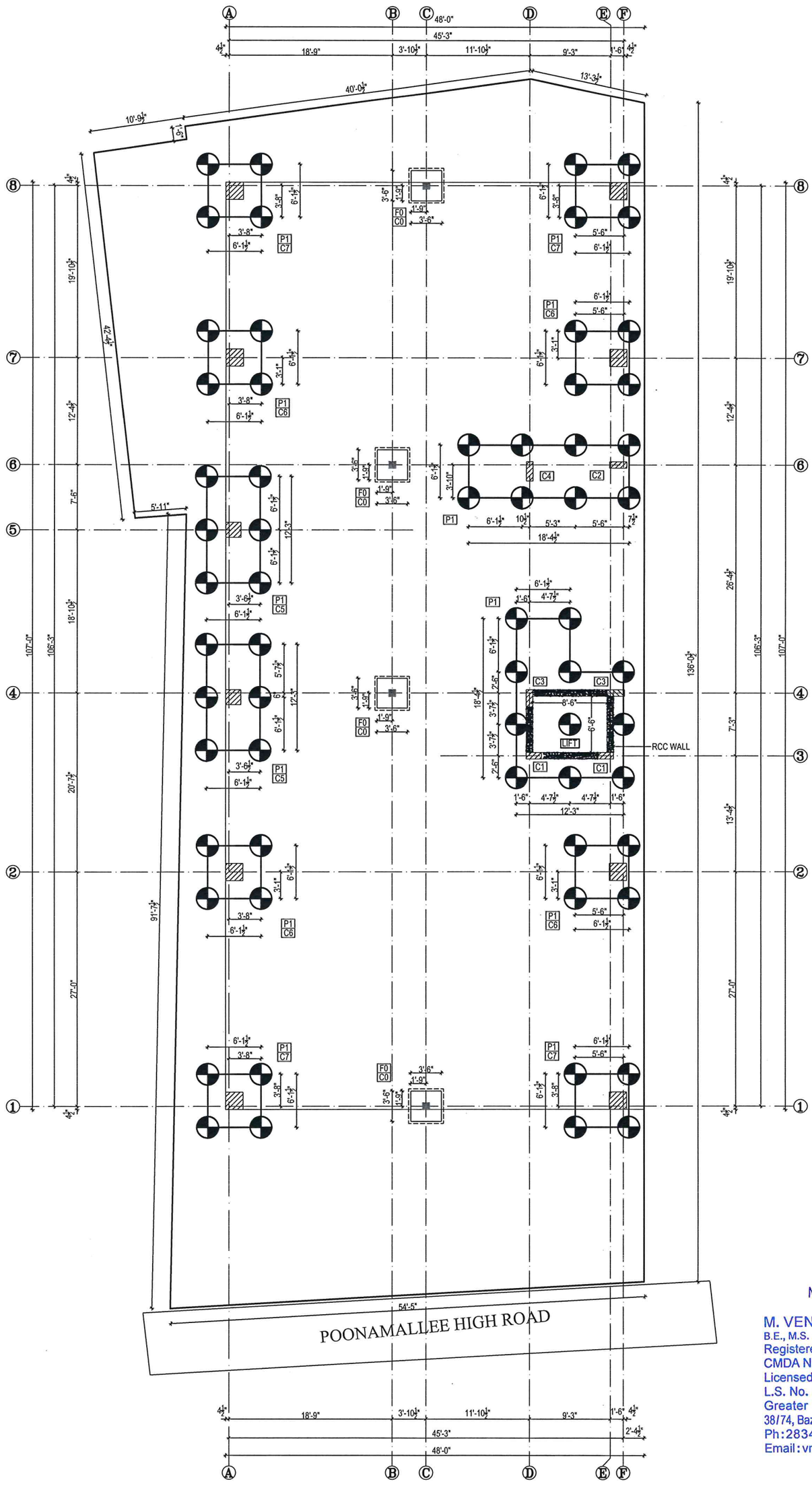
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Revision NO:R0

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S E W N



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		DESIGN BY:	MANIKANDAN	SCALE:	NTS
		DRAWN BY:	MANIKANDAN	DATE:	28.05.2024
		CHECKED BY:	VENKAT	PROJECT:	2023018
		BUILDING:	COMMERCIAL BUILDING		
		FLOOR:	PILE LOCATION DRAWING		

ARCHITECT
Audiseshaiah & Sons

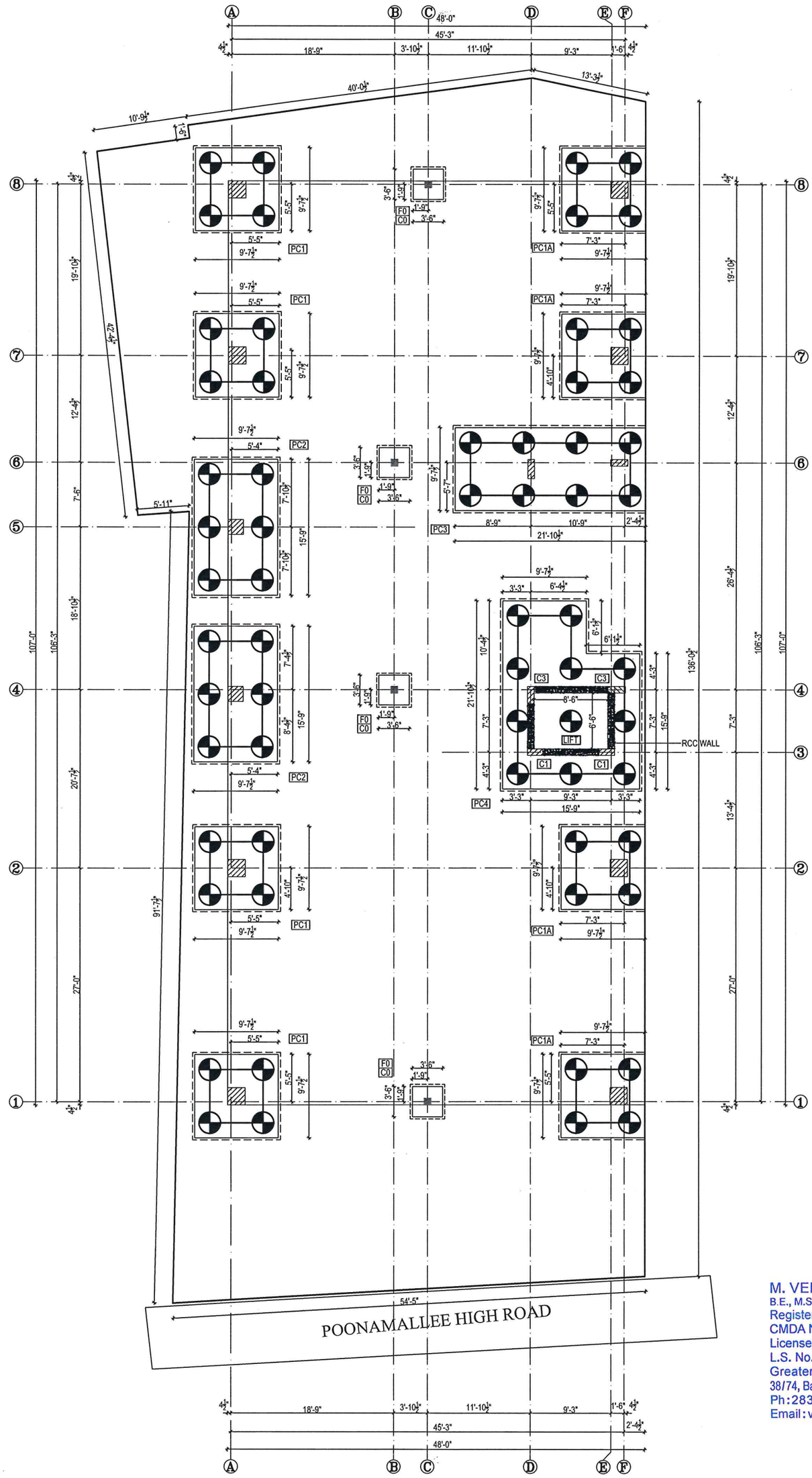
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Revision NO:R0

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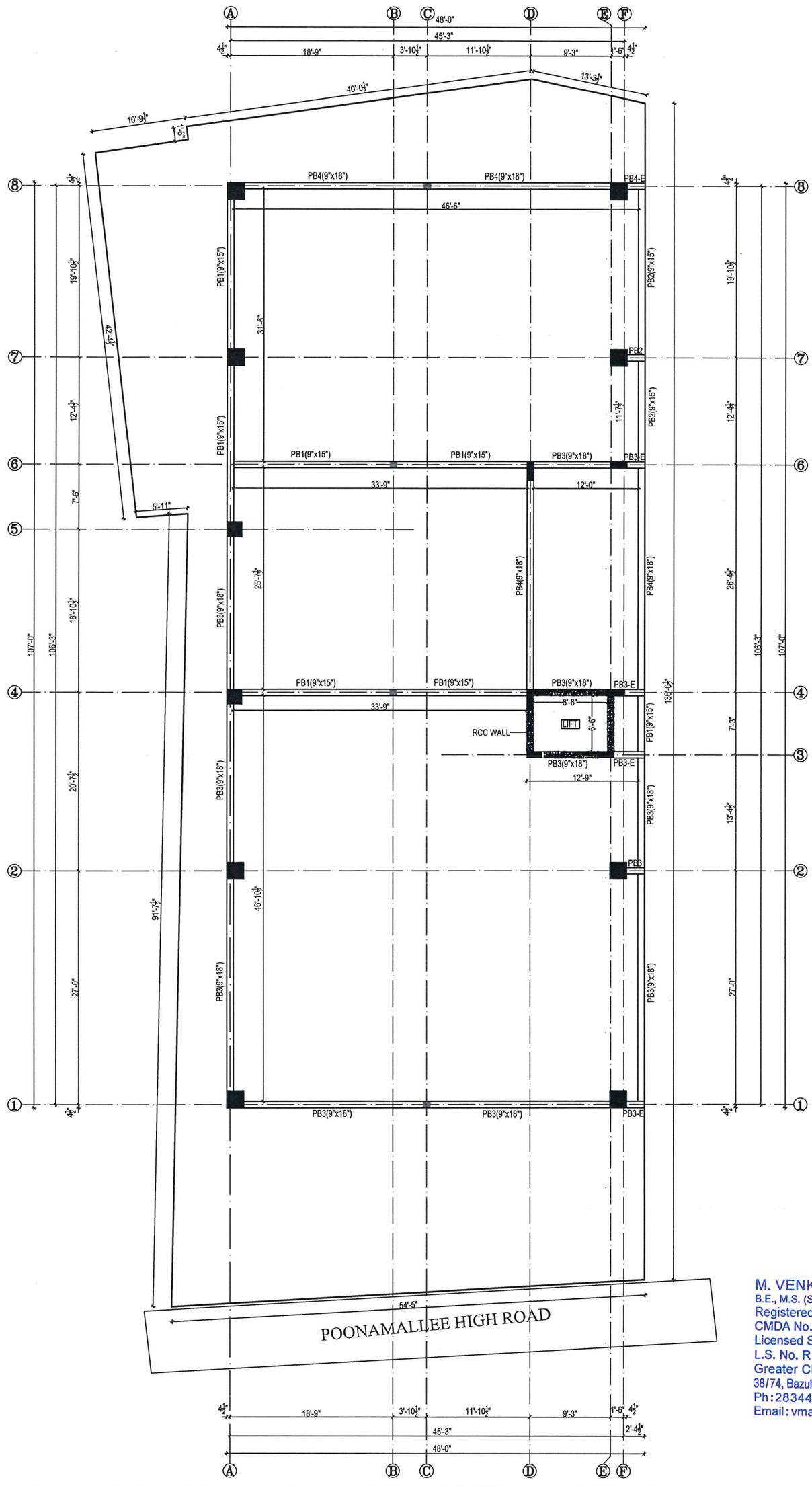
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		DESIGN BY:	MANIKANDAN	SCALE:	NTS			
		DRAWN BY:	MANIKANDAN	DATE:	28.05.2024			
		CHECKED BY:	VENKAT	PROJECT:	2023018			
		BUILDING:	COMMERCIAL BUILDING					
		FLOOR:	PILE CAP LOCATION DRAWING					

DRAWING SOLE PROPERTY OF AUDISESHAIAH & SONS IT'S USE FOR ANY PURPOSE OTHER THAN THAT MENTIONED IS TO BE DONE ONLY AFTER PRIOR APPROVAL

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		DESIGN BY:	MANIKANDAN	SCALE:	NTS
		DRAWN BY:	MANIKANDAN	DATE:	28.05.2024
		CHECKED BY:	VENKAT	PROJECT:	2023018
		BUILDING:	COMMERCIAL BUILDING		
		FLOOR:	PLINTH BEAM DRAWING		

ARCHITECT
Audiseshaiah & Sons

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Revision NO:R0

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COLUMN SCHEDULE (M30)

NAME	COLUMN LOCATIONS	REINFORCEMENT DETAILS UPTO PLINTH LVL TO FINAL FLOOR ROOF LVL	TIES DETAILS UPTO PLINTH LVL TO FINAL FLOOR ROOF LVL	COLUMN TIES	NO.OF COLUMNS
C0	B4 - B6 C1 - C8	9" x 9" • (4) - 12Ø COL. UP TO PLINTH	① 1 - TIES COL. UP TO PLINTH	8Ø @ 8"c/c	04
C1	D3 - E3	1'-9" x 9" • (8) - 20Ø	① ② 2 - TIES	8Ø @ 8"c/c	02
C2	F6	2'-0" x 9" • (8) - 16Ø	① ② 2 - TIES	8Ø @ 8"c/c	01
C3	D4 - E4	2'-0" x 9" • (8) - 25Ø	① ② 2 - TIES	8Ø @ 8"c/c	02
C4	D6	2'-3" x 9" • (14) - 25Ø	① ② ③ ④ 3 - TIES	8Ø @ 8"c/c	01
C5	A4 - A5	1'-9" x 1'-9" • (12) - 20Ø	① ② ③ 3 - TIES	8Ø @ 8"c/c	02
C6	A2 - A7 F2 - F7	2'-0" x 2'-0" • (12) - 20Ø	① ② ③ 3 - TIES	8Ø @ 8"c/c	04
C7	A1 - A8 F1 - F8	2'-0" x 2'-0" • (16) - 32Ø	① ② ③ ④ ⑤ 5 - TIES	8Ø @ 8"c/c	04
			TOTAL		16 + 04 = 20

FOOTING DETAILS (M25)

NAME	FOOTING LOCATION	FOOTING SIZE L x B	DEPTH "D"	DEPTH "d"	REINFORCEMENT (BOTHWAYS) BAR -1	REINFORCEMENT (BOTHWAYS) BAR -2	NO OF FOOTINGS
FO	B4 , B6 , C1 , C8	3'-6" x 3'-6"	12"	-	8@ 6" c/c	8@ 6" c/c	04
						TOTAL	04

PILE FOUNDATION DETAILS (M30)

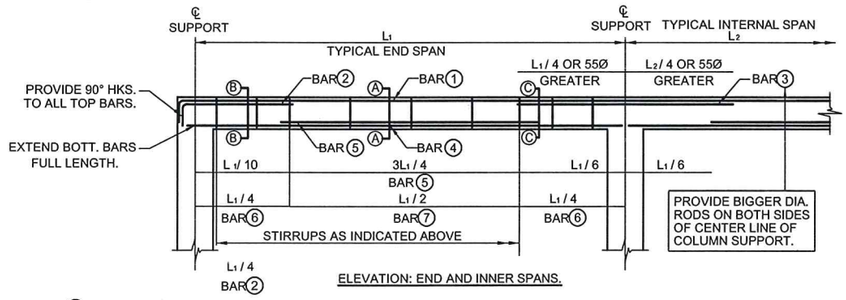
NAME	SIZE (mm)	SHAPE	DEPTH	REINFORCEMENT BAR - 7	TIES BAR - 8	NO. OF PILES
P1	750Ø	2'-6"	14.00 m (OR) REST ON ROCK	(8) - 16Ø	8Ø @ 6" c/c	63
					TOTAL	63

PILE CAP DETAILS (M30)

NAME	SIZE "L x B"	PILE CAP DEPTH (D)	NO's CAPS	REINFORCEMENT DETAILS TOP REINFORCEMENT HORIZONTAL (1& 2)	REINFORCEMENT DETAILS BOT. REINFORCEMENT BOTH WAYS(3 & 4)	STIRRUPS HORIZONTAL.TIES BAR - 5
PC1	9'-7½" x 9'-7½"	3'-6"	04	12Ø @ 5" C/c	16Ø @ 5" C/c	12Ø @ 6" C/c
PC1	9'-7½" x 9'-7½"	3'-6"	04	12Ø @ 5" C/c	20Ø @ 5" C/c	12Ø @ 6" C/c
PC2	15'-9" x 9'-7½"	3'-6"	02	12Ø @ 5" C/c	16Ø @ 5" C/c	12Ø @ 6" C/c
PC3	21'-10½" x 9'-7½"	3'-6"	01	12Ø @ 5" C/c	16Ø @ 5" C/c	12Ø @ 6" C/c
PC4	REF TO DWG	3'-6"	01	12Ø @ 5" C/c	16Ø @ 5" C/c	12Ø @ 6" C/c
		TOTAL	12			

PLINTH BEAM DETAILS (M30)

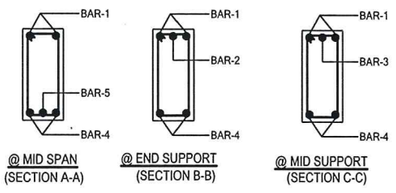
NAME	SIZE	TOP BAR-1 CONT.	TOP BAR-2 L/4 - SUP	TOP BAR-3 2L/4-MIDSUP	BOTTOM BAR-4 CONT.	BOTTOM BAR-5 3L/4-MID	STIRRUPS BAR-6 L/4 - SUP	STIRRUPS BAR-7 L/2-MID SUP
PB1	9" x 15"	(2) - 12Ø	(1) - 12Ø	(1) - 12Ø	(2) - 12Ø	-	8Ø @ 6" c/c	8Ø @ 8" c/c
PB2	9" x 15"	(2) - 12Ø	-	(2) - 16Ø	(2) - 12Ø	-	8Ø @ 6" c/c	8Ø @ 8" c/c
PB3	9" x 18"	(2) - 12Ø	(1) - 16Ø	(1) - 16Ø	(2) - 12Ø	(1) - 12Ø	8Ø @ 6" c/c	8Ø @ 8" c/c
PB4	9" x 18"	(2) - 16Ø	(1) - 16Ø	(1) - 16Ø	(2) - 16Ø	(1) - 12Ø	8Ø @ 6" c/c	8Ø @ 8" c/c



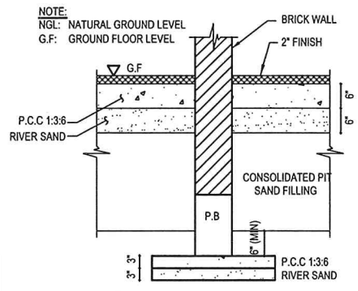
ELEVATION: END AND INNER SPANS.

BAR (?) - SEE BEAM SCHEDULE FOR BAR SIZES. REFER TO PLANS FOR REQUIRED REINFORCEMENT. REINF. COVER TO BE IN ACCORDANCE WITH CODE REQUIREMENTS.

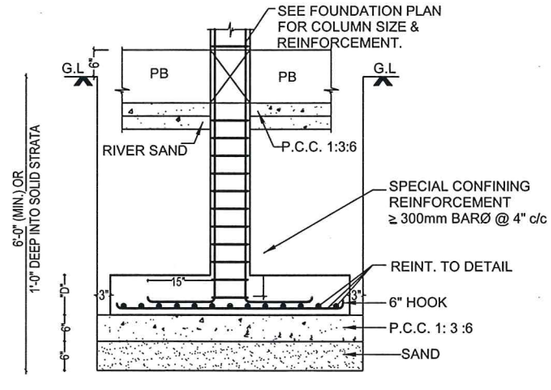
TYPICAL BEAM REINFT. LAYOUT DETAIL



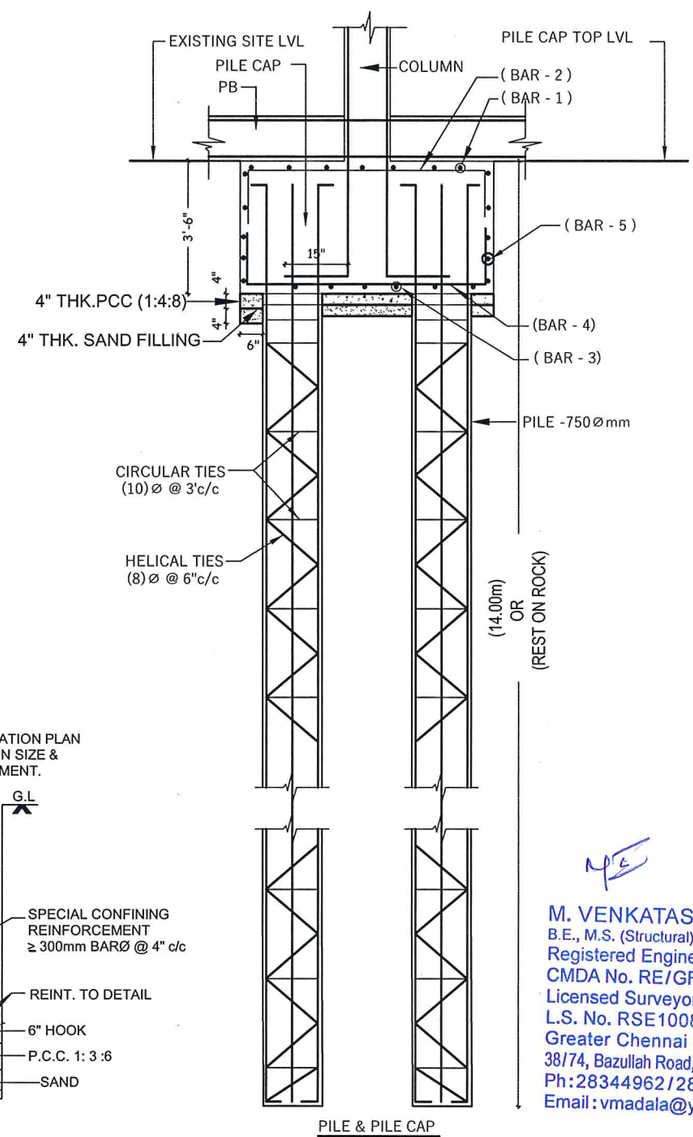
TYPICAL BEAM CROSS SECTION



TYPICAL PLINTH BEAM DETAIL



FOUNDATION DETAIL



PILE & PILE CAP TYPICAL SECTION

NOTES:

1. USE CONCRETE MIX (M30) (360 Kg cement) FOR PILE,PILE CAP&COLUMN.
1.1 USE CONCRETE MIX 1:1:2 (M25) (360 Kg cement) FOR ALL OTHER CONCRETING WORKS.
2. USE SLAG CEMENT FOR PILE CONCRETING.
3. USE PORTLAND POZZOLANA CEMENT FOR ALL OTHER CONCRETING WORKS.
4. USE STEEL GRADE Fe 500.
5. USE VIBRATOR FOR ALL CONCRETING WORKS.
6. USE MIN. LAP LENGTH OF 55Ø FOR ALL RODS.
7. WATER USED FOR CONCRETE SHOULD BE POTABLE (PH-7).
8. REMOVE BENDS IN ALL RODS (EVEN IN 6MM RODS).
9. AVOID LAPPING AT TENSION PORTIONS.
10. THE GAP BETWEEN THE TWO LAYERS OF REINFORCEMENT SHOULD BE MAINTAINED BY PROVIDING SPACER RODS (DISTANCE SHOULD NOT BE MORE THAN DIA. OF BAR OR 1").
11. CONCRETING NOT PERMITTED WITHOUT THE PERMISSION / APPROVAL/SITE INSPECTION FROM/ BY STRUCTURAL ENGINEER.
12. Ø - INDICATES BAR DIAMETER IN mm UNLESS OTHER SPECIFY.
13. COVER FOR FOUNDATION 3" (75 mm)
14. COVER FOR COLUMN 1½" (40 mm)
15. COVER FOR BEAM 1" (25 mm)
16. COVER FOR PILE & PILE CAP 2" (50 mm)

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		DESIGN BY:	MANIKANDAN	SCALE:	NTS	
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		BUILDING:	COMMERCIAL BUILDING			
		FLOOR:	FOUNDATION REINFORCEMENT DETAILS			

ARCHITECT: Audiseshaiah & Sons

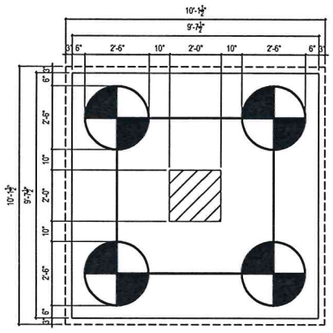
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Revision NO:R0

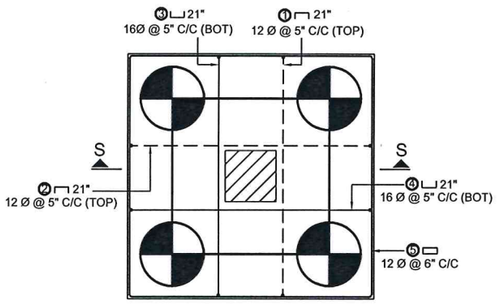
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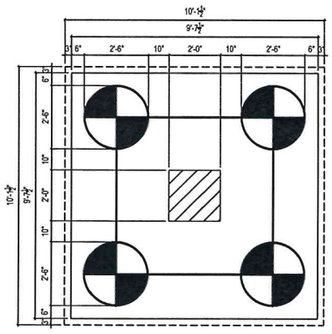
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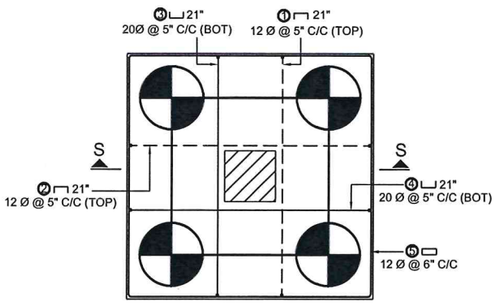
NUM.DETAILS OF PILE CAP (PC1)



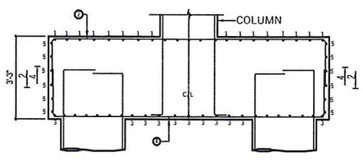
RC DETAILS OF PILE CAP (PC1)



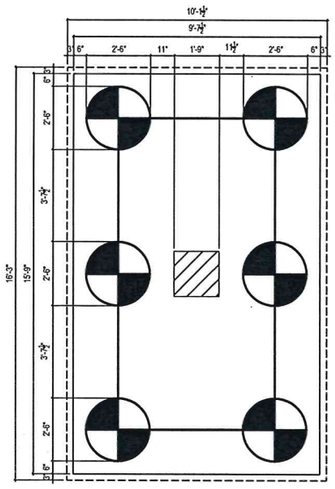
NUM.DETAILS OF PILE CAP (PC1A)



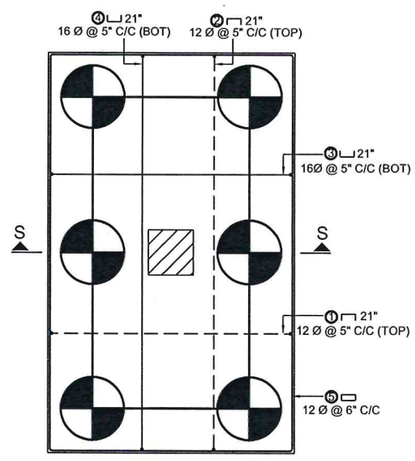
RC DETAILS OF PILE CAP (PC1A)



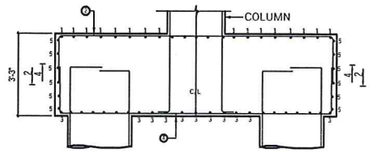
SECTION OF PILE CAP (PC1) & (PC1A)



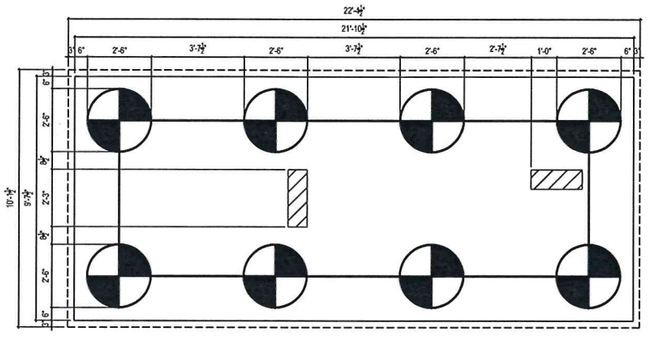
NUM.DETAILS OF PILE CAP (PC2)



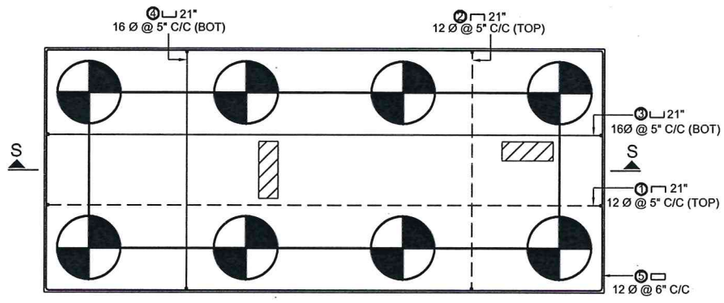
RC DETAILS OF PILE CAP (PC2)



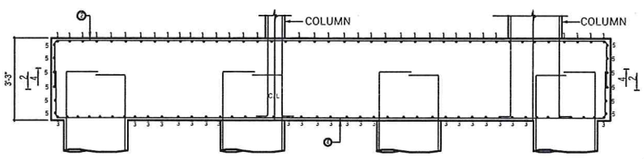
SECTION OF PILE CAP (PC2)



NUM.DETAILS OF PILE CAP (PC3)

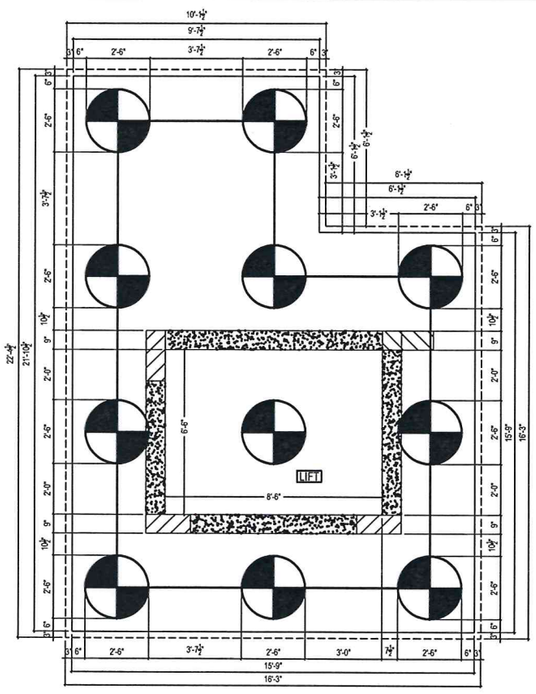


RC DETAILS OF PILE CAP (PC3)

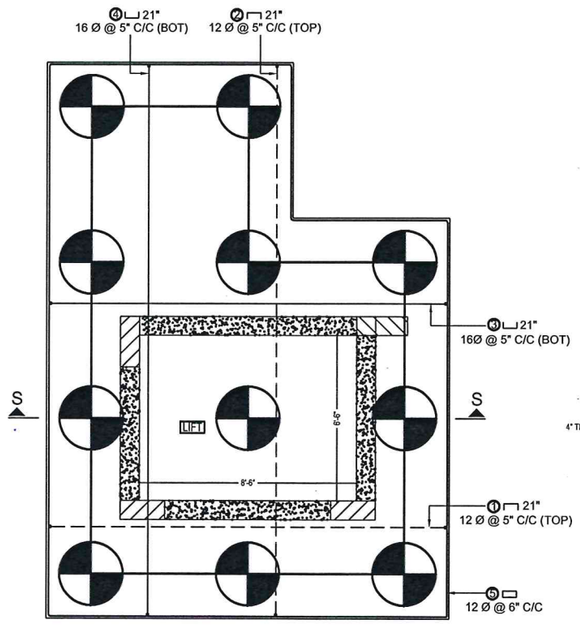


SECTION OF PILE CAP (PC3)

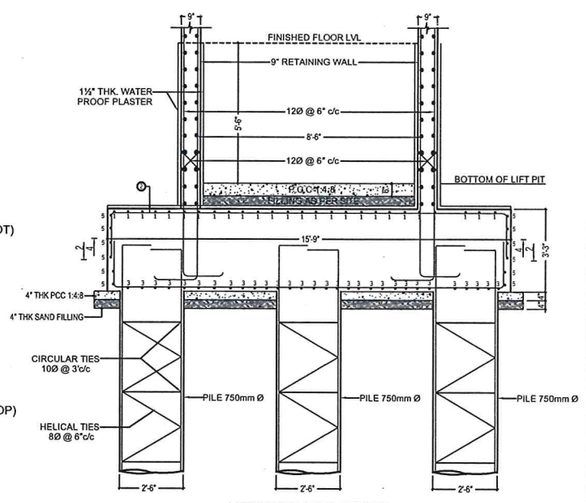
M. VENKATASUBBA RAO,
B.E., M.S. (Structural)
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Licensed Surveyor, Class I
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Email:vmadala@yahoo.com



NUM.DETAILS OF PILE CAP (PC4)



RC DETAILS OF PILE CAP (PC4)



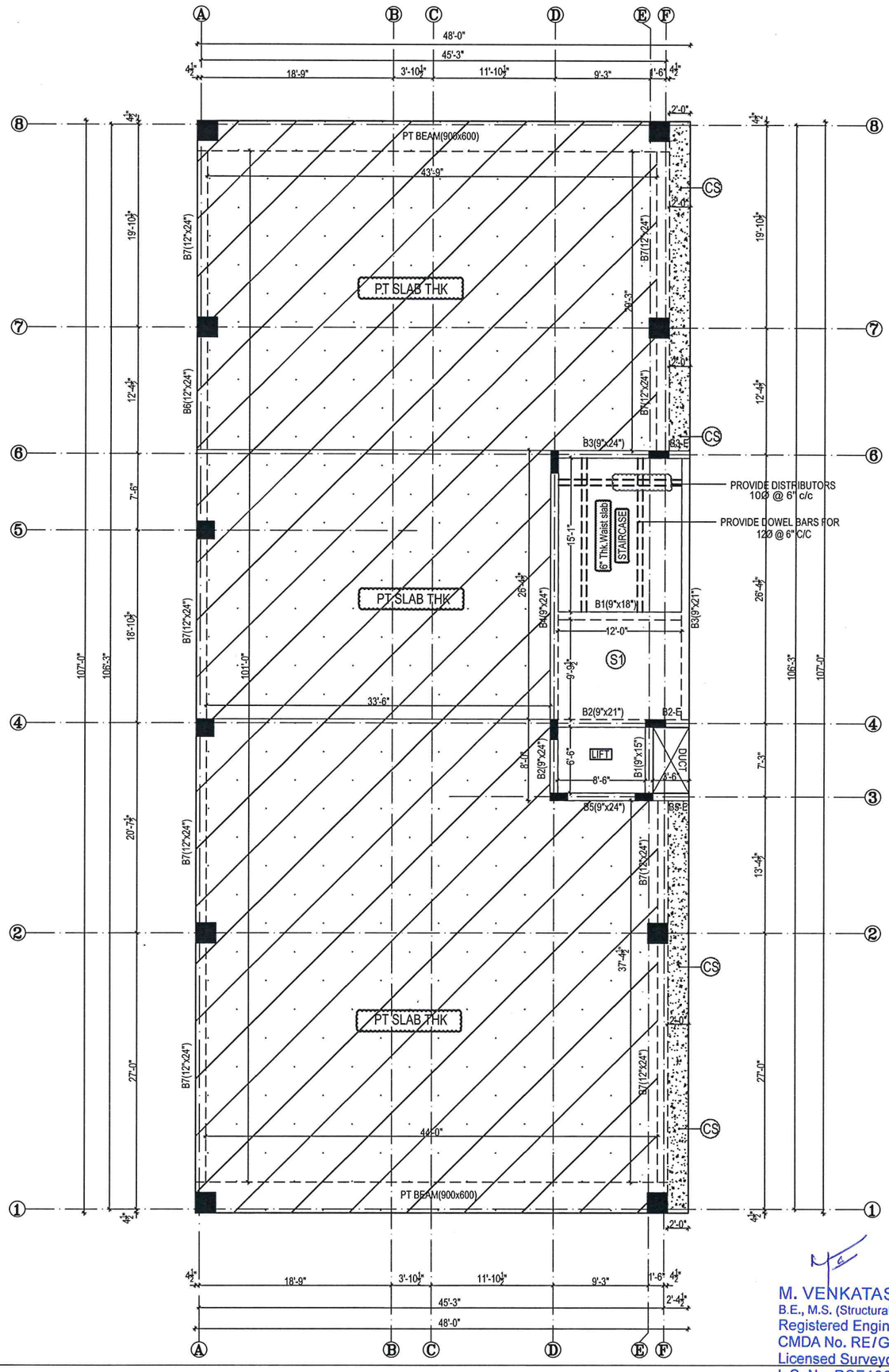
LIFT FOUNDATION DETAILS
(SECTION "1-1")

ADDRESS	LICENSE				ARCHITECT		DRAWING NO:ST-06
PLAN SHOWING THE PROPOSED CONSTRUCTION STILT +3 FLOORS COMMERCIAL (OFFICE) BUILDING AT DOOR NO: 366,POONAMALLEE HIGH ROAD, AMINJIKARAI, CHENNAI - 600029 COMPRISED IN O.S.NO:70/1 PART, T.S.NO: 2/8, BLOCK NO: 23 , OF AMINJIKARAI VILLAGE, AMINJIKARAI TALUK. WITH IN THE LIMIT OF GREATER CHENNAI CORPORATION DIVISION NO: 102 ZONE :08.	M.VENKATA SUBBA RAO B.E, M.S(STRUCTURAL) REGISTERED ENGINEER I (RE), CMDA NO.RE/GR-1/19/03/070, LICENSED SURVEYOR,CLASS I, L.S.NO. RSE100862019 GREATER CHENNAI CORPORATION 38/74,BAZULLAH ROAD,T.NAGAR, CH-17. PH:28344962/28344857 EMAIL:vmadala@yahoo.com	DRAWING:	STRUCTURAL DRAWING		Audiseshaiah & Sons	AUDISESHAIAH & SONS 38/74, BAZULLAH ROAD, MASS TOWER, FIRST FLOOR, T. NAGAR, CHENNAI - 600 017. TEL: + 91 44 28344962/857 Email ID: audisons@gmail.com	Revision NO:R0
		DESIGN BY:	MANIKANDAN	SCALE: NTS			
		DRAWN BY:	MANIKANDAN	DATE: 28.05.2024			
		CHECKED BY:	VENKAT	PROJECT: 2023018			
		BUILDING:	COMMERCIAL BUILDING				
		FLOOR:	PILE & PILE CAP SECTION DRAWING				

DRAWING SOLE PROPERTY OF AUDISESHAIAH & SONS IT'S USE FOR ANY PURPOSE OTHER THAN THAT MENTIONED IS TO BE DONE ONLY AFTER PRIOR APPROVAL

\\Structuralpc\structural d\2023 PROJECTS\2023 018 - RAMAN DEVELOPERS-AMINJIKARAI\STR DWG - 10.06.2023\FINAL REVISED FOUNDATION 750mm DIA PILE - 31.10.2023.dwg

S E W N



LEGEND:-

B? - E - BEAM TOP & BOTTOM BARS SHOULD BE EXTENDED

B? - E(T) - BEAM TOP BARS SHOULD BE EXTENDED

STILTS,I,II&III TYPICAL FLOOR ROOF DETAILS (M30)								
NAME	SIZE	TOP			BOTTOM		STIRRUPS	
		BAR-1	BAR-2	BAR-3	BAR-4	BAR-5	BAR-6	BAR-7
		CONT.	L/4 - SUP	2L/4-MIDSUP	CONT.	3L/4-MID	L/4 - SUP	L/2-MID SUP
B1	9" x 15" 9" x 18"	(2) - 16Ø	-	-	(2) - 16Ø	-	8Ø @ 6" c/c	8Ø @ 8" c/c
B2	9" x 21" 9" x 24"	(2) - 16Ø	-	(2) - 16Ø	(2) - 16Ø	-	8Ø @ 6" c/c	8Ø @ 8" c/c
B3	9" x 21" 9" x 24"	(2) - 20Ø	(1) - 16Ø	-	(2) - 20Ø	(1) - 16Ø	8Ø @ 6" c/c	8Ø @ 8" c/c
B4	9" x 21" 9" x 24"	(2) - 20Ø	(2) - 25Ø	(2) - 25Ø	(2) - 25Ø	(1) - 20Ø	8Ø @ 6" c/c	8Ø @ 8" c/c
B5	9" x 24"	(2) - 20Ø	(2) - 20Ø	(2) - 20Ø	(2) - 20Ø	(1) - 20Ø	8Ø @ 6" c/c	8Ø @ 8" c/c
B6	12" x 24"	(2) - 25Ø	-	(2) - 25Ø	(2) - 25Ø	(1) - 25Ø	8Ø @ 6" c/c	8Ø @ 8" c/c
B7	12" x 24"	(2) - 25Ø	(2) - 20Ø	(2) - 20Ø	(2) - 25Ø	(1) - 25Ø	10Ø @ 6" c/c	8Ø @ 8" c/c

(CS) - CANTILEVER SLAB

STILTS,I,II&III TYPICAL FLOOR ROOF SLAB DETAILS (M30)				
SLAB ID.	THICKNESS (INCHES)	REINFORCEMENT		TYPE OF SLAB
		SHORT SPAN	LONG SPAN	
S1	6"	8Ø @6"c/c	8Ø @6"c/c	TWO WAY

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ADDRESS	LICENSE			ARCHITECT	
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		DESIGN BY:	MANIKANDAN / SCALE: NTS		
		DRAWN BY:	MANIKANDAN / DATE: 28.05.2024		
		CHECKED BY:	VENKAT / PROJECT: 2023018		
		BUILDING:	COMMERCIAL BUILDING		
		FLOOR:	STILT+3 FLOOR ROOF DRAWING		

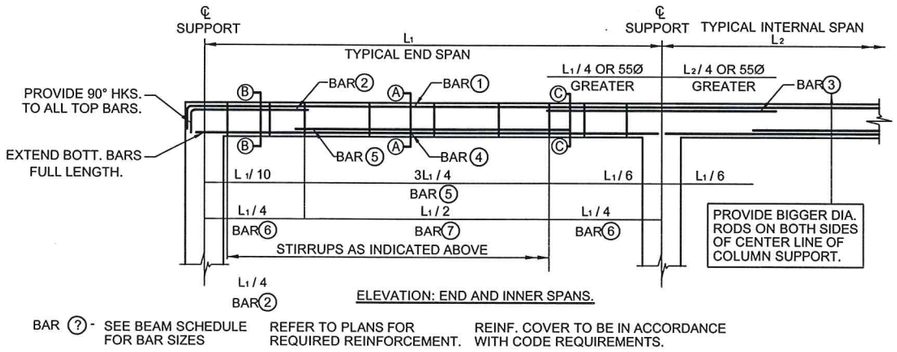
DRAWING NO:ST-07

Revision NO:R0

DRAWING SOLE PROPERTY OF AUDISESHAIAH & SONS IT'S USE FOR ANY PURPOSE OTHER THAN THAT MENTIONED IS TO BE DONE ONLY AFTER PRIOR APPROVAL

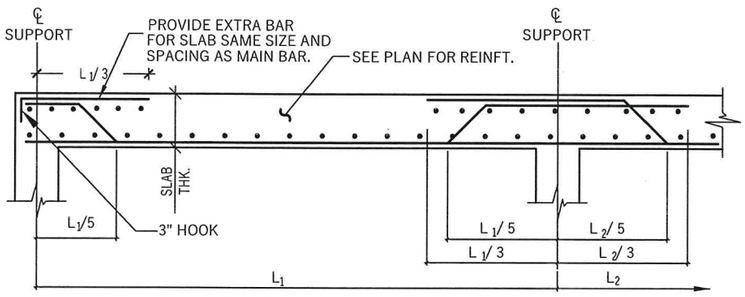
\\Structural\pc\structural d\2023 PROJECTS\2023 018 - RAMAN DEVELOPERS-AMINJIKARAI\STR DWG - 10.06.2023\FINAL REVISED FOUNDATION 750mm DIA PILE - 31.10.2023.dwg

S E W N

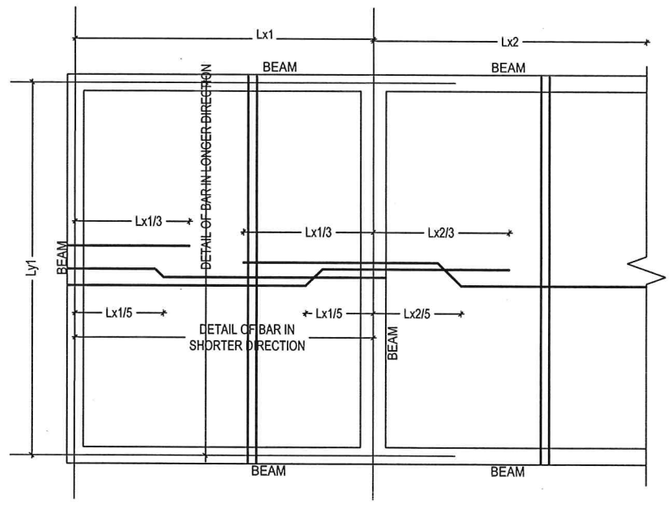


BAR (?) - SEE BEAM SCHEDULE FOR BAR SIZES. REFER TO PLANS FOR REQUIRED REINFORCEMENT. REINF. COVER TO BE IN ACCORDANCE WITH CODE REQUIREMENTS.

TYPICAL BEAM REINFT. LAYOUT DETAIL



TYPICAL SLAB DETAIL



TYPICAL ONE WAY SLAB REINFORCEMENT DETAILS

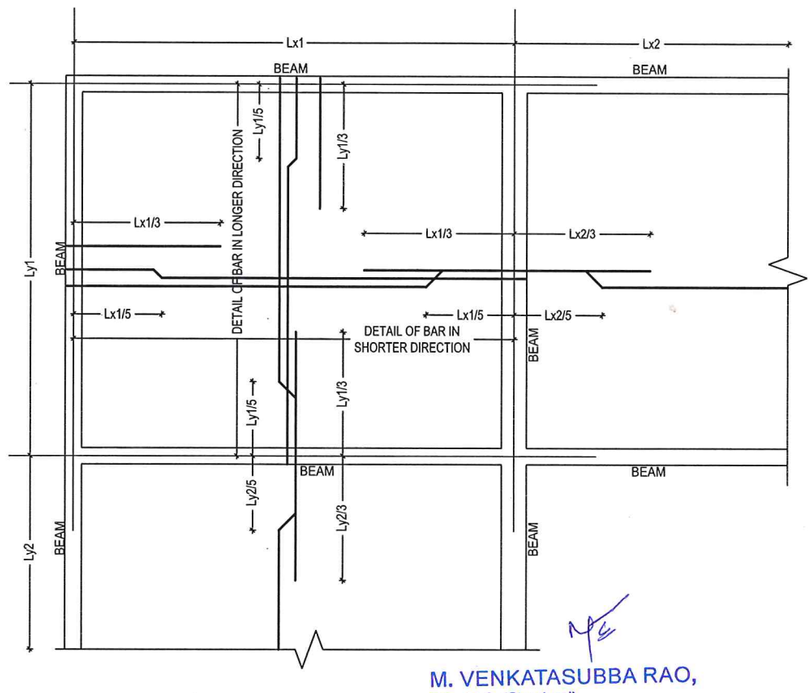
LINTEL NOTES

(8" MIN. BEARING EACH END.)

WHERE LINTELS ARE INDICATED ON THE ARCHITECTURAL PLANS THEY SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, UNLESS NOTED OTHERWISE.

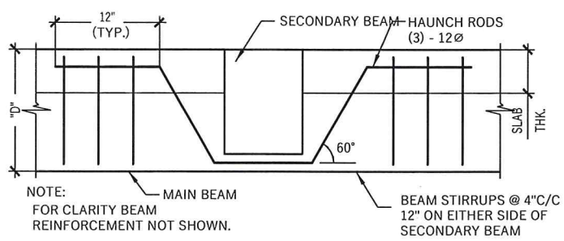
1. CONCRETE BLOCK LINTEL SCHEDULE:

LINTEL SCHEDULE				
OPENING WIDTH	BEAM SIZE	REINFORCEMENT		STIRRUP SIZE
		TOP	BOTTOM	
UP TO 6'-0"	9" x 6" 4½" x 6"	(2) - 8Ø	(2) - 10Ø	8Ø @6" c/c
6'-0" TO 8'-0"	9" x 6"	(3) - 8Ø	(3) - 10Ø	8Ø @6" c/c
8'-0" TO 12'-0"	9" x 9"	(2) - 10Ø	(2) - 10Ø + (1) -12Ø	8Ø @6" c/c

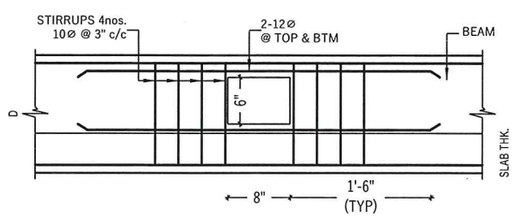


TYPICAL TWO WAY SLAB REINFORCEMENT DETAILS

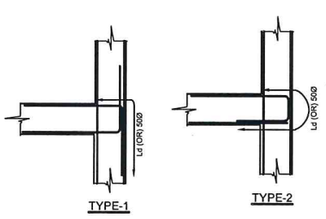
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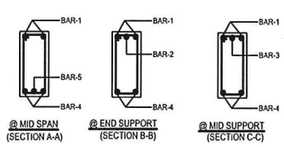
HAUNCH DETAIL AT BEAM INTERSECTIONS



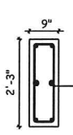
TYP. DETAILS FOR SLEEVES
IN FLOOR BEAMS FOR SANITARY PIPES.
(LOCATION SHALL BE AS PER SANITARY DWG.)



TYPICAL DETAIL - DEVELOPMENT LENGTH



TYPICAL BEAM CROSS SECTION



(2) - 16Ø SKIN REINFORCEMENT
24" & ABOVE 24" BEAM DEPTH
PROVIDE SKIN REINFORCEMENT

BEAM

NOTE:-

1. USE CONCRETE MIX M30 FOR BEAM & M25 (1 : 1 :2) FOR SLAB.
2. USE STEEL GRADE Fe 500.
3. USE VIBRATOR FOR ALL CONCRETING WORKS.
4. USE MIN. LAP LENGTH OF 55Ø FOR ALL RODS.
5. THE WATER USED FOR CONCRETE SHOULD BE POTABLE (PH-7).
6. REMOVE BENDS IN ALL RODS (EVEN IN 6MM RODS).
7. AVOID LAPPING AT TENSION PORTIONS.
8. THE GAP BETWEEN THE TWO LAYERS OF REINFORCEMENT SHOULD BE MAINTAINED BY PROVIDING SPACER RODS (DISTANCE SHOULD NOT BE MORE THAN DIA. OF BAR OR 1").
9. IN ALL CANTILEVER PORTION THE BEAM TOP RODS SHOULD BE EXTENDED.
10. Ø - INDICATES ROD DIAMETER IN MM.
11. CONCRETE MIX M25 (1:1:2) FOR COLUMN
12. COVER FOR COLUMN 1½"
13. COVER FOR BEAM 1"
14. COVER FOR SLAB ¾"
15. ALL SLABS ARE 5"TK UNLESS OTHERWISE SPECIFIED.
16. ALL SERVICE AREA SLABS SHOULD BE SUNKEN BY 3" UNLESS OTHERWISE NOTED.
17. CONCRETING NOT PERMITTED WITHOUT THE PERMISSION / APPROVAL/SITE INSPECTION FROM / BY STRUCTURAL ENGINEER.

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		DESIGN BY:	MANIKANDAN	SCALE:	NTS
		DRAWN BY:	MANIKANDAN	DATE:	28.05.2024
		CHECKED BY:	VENKAT	PROJECT:	2023018
		BUILDING:	COMMERCIAL BUILDING		
		FLOOR:	ROOF TYPICAL DETAILS		

ARCHITECT
Audiseshaiah & Sons

AUDISESHAIAH & SONS
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DRAWING NO:ST-08
Revision NO:R0

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We're honored to be part of your real estate journey

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