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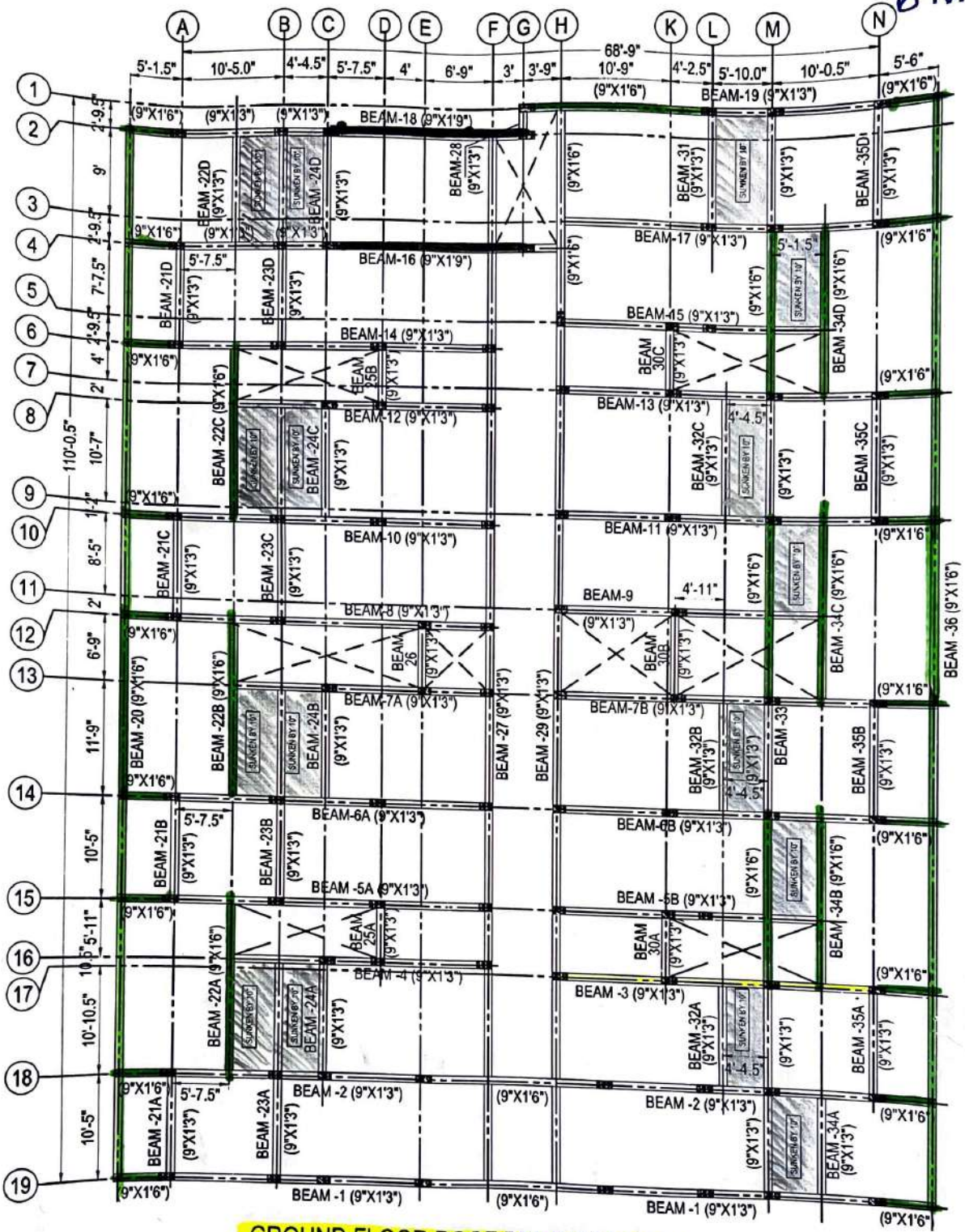
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

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GROUND FLOOR ROOF BEAM LAYOUT (SCALE 1:96)

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SL.NO	DWG.NO	DESCRIPTION	DATE
		FOR DISCUSSION	
RO		DESCRIPTION	08-03-2024
REV.NO			DATE

GENERAL NOTES & TECHNICAL NOTES

REFER SHEET 1

1. GRADE OF CONCRETE
   M25 - (DESIGN MIX) (AS PER IS 456-2000)
2. GRADE OF STEEL - **Fe550** (AS PER IS 1786-2008)
3. SEISMIC DESIGN AS PER IS 1893-2002.(ZONE-III)
4. DESIGNED FOR S+4 ONLY.

DESIGN LOADS:

1. FLOOR SLAB - 2,3 kN/Sq.m
2. TERRACE - 1.5kN/Sq.m

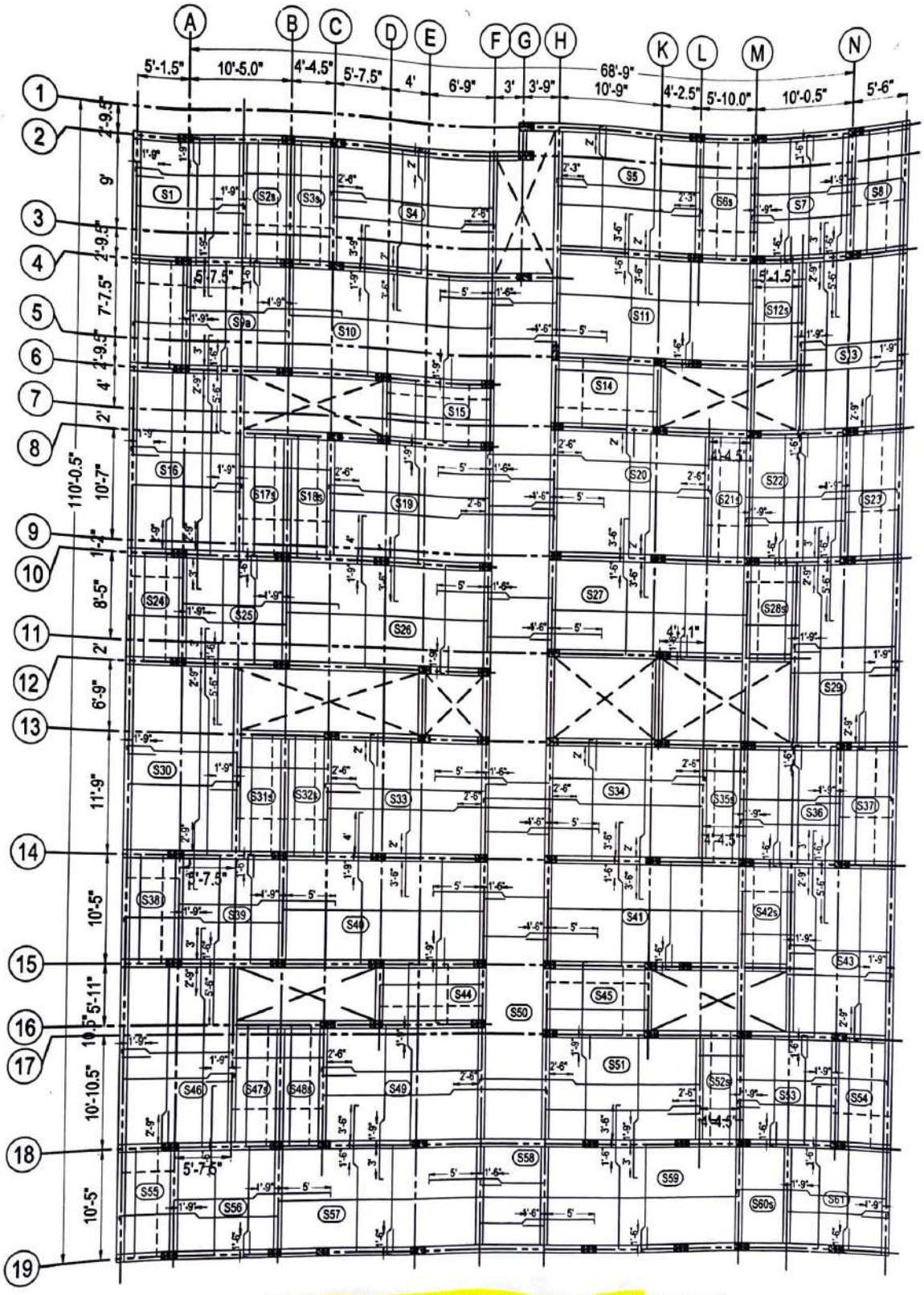
PROJECT:
PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:
GROUND FLOOR ROOF BEAM LAYOUT

CLIENT:
Ar. SIVAKUMAR

DESIGNED	S VENKATESH
DETAILED	S VENKATESH
CHECKED	P BALA SUBRAMANIAN
APPROVED	P BALA SUBRAMANIAN
FILE NAME	
SCALE	1:60
SIZE	A1
DWG .NO.	1A
DATE	
JOB NO	017-23
REV NO	R0

BALA STRUCTURAL CONSULTANT
1, PERIYAR NAGAR BALAJI
NORTH HIGH GROUND ROAD
PALAYAMKOTTAI TVL-11
Email :balastructuralconsultant@gmail.com
Ph : +91-99949-54448



GROUND FLOOR ROOF SLAB LAYOUT (SCALE 1:96)

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SL.NO	DWG.NO	DESCRIPTION	DATE
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NO		DATE	

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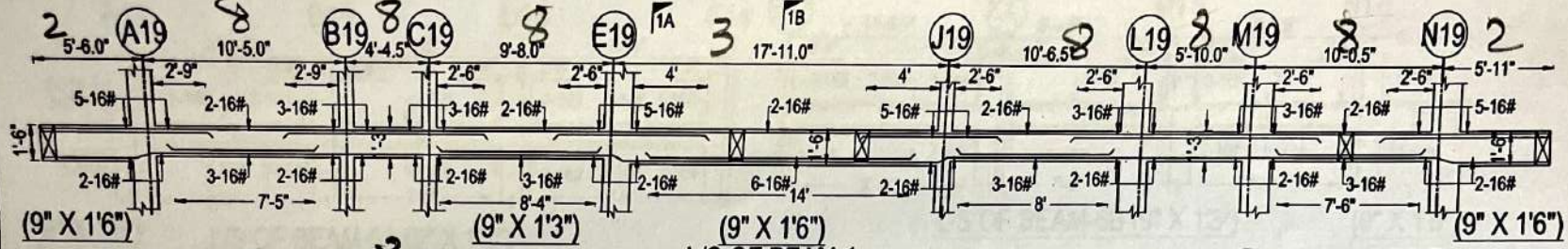
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GROUND FLOOR ROOF SLAB LAYOUT

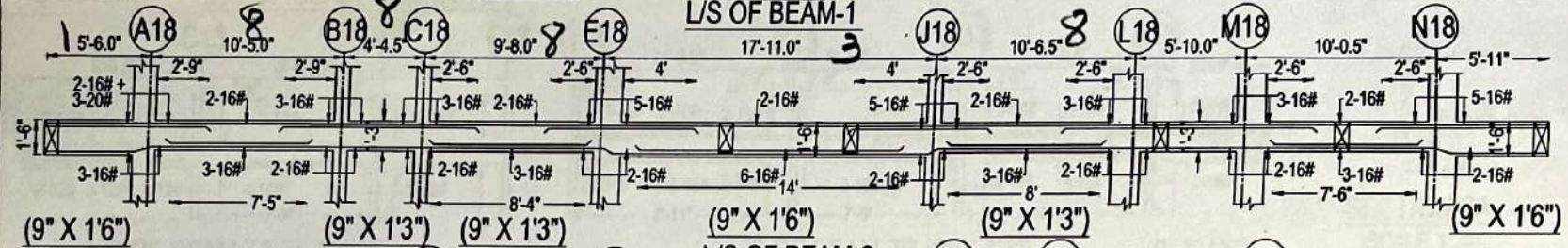
CLIENT:
Ar. SIVAKUMAR

DESIGNED :	S. VENKATESH		
DETAILED :	S. VENKATESH		
CHECKED :	P.BALA SUBRAMANIAN		
APPROVED :	P.BALA SUBRAMANIAN		
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANTS\2023\017-23-Ar.SIVAKUMAR -S+4\CAD\GR0		
SCALE	1:60		
SIZE	A1	DATE	08-03-2024
DWG .NO.	18	JOB NO. 017-23	REV. NO. R0

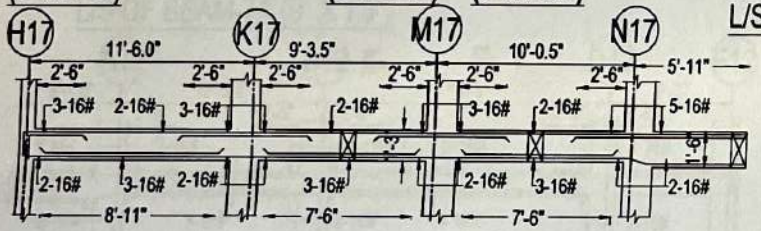
BALA STRUCTURAL CONSULTANT
8 PERIYAR NAGAR SALAI
NORTH HIGHGROUND ROAD
MALAYAMBOTTAI (VIL-1)
Ph +91-99948-54448
Email :balastructuralconsultant@gmail.com



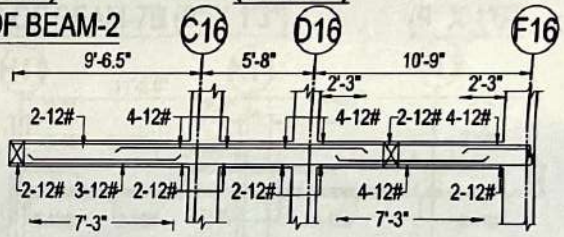
L/S OF BEAM-1



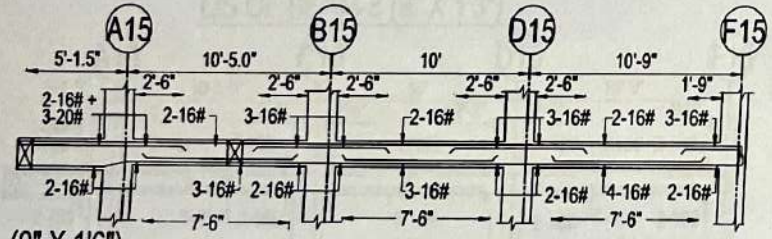
L/S OF BEAM-2



L/S OF BEAM-3 (9" X 1'3") (9" X 1'6")

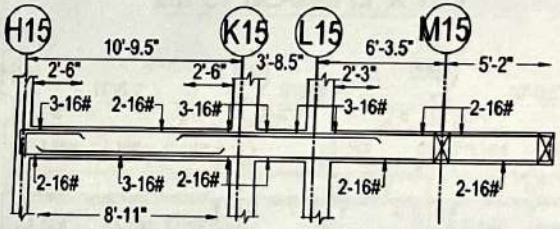


L/S OF BEAM-4 (9" X 1'3")

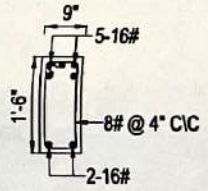


(9" X 1'6")

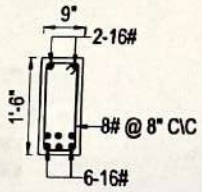
L/S OF BEAM-5A (9" X 1'3")



L/S OF BEAM-5B (9" X 1'3")



SECTION-1A
(SCALE 1:24)



SECTION-1B
(SCALE 1:24)

SL.NO	DWG.NO	DESCRIPTION	DATE
RO		FOR DISCUSSION	08-03-2024
REV.NO		DESCRIPTION	DATE

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CHECKED BY :
DATE :

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1

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M25 - (DESIGN MIX) (AS PER IS 456-2000)
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DESIGN LOADS:
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2 ROOF SLAB - 1.5kN/Sq.M

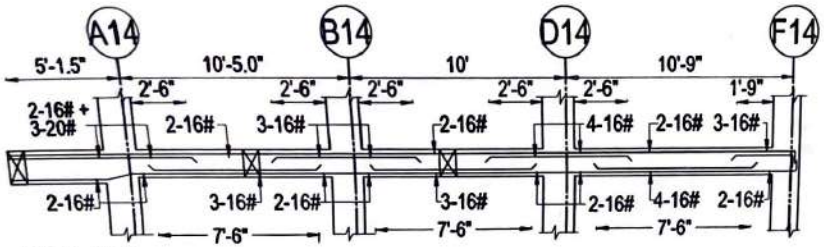
PROJECT:
PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE:
GROUND FLOOR ROOF BEAM DETAILS - 1

CLIENT:
Ar. SIVAKUMAR

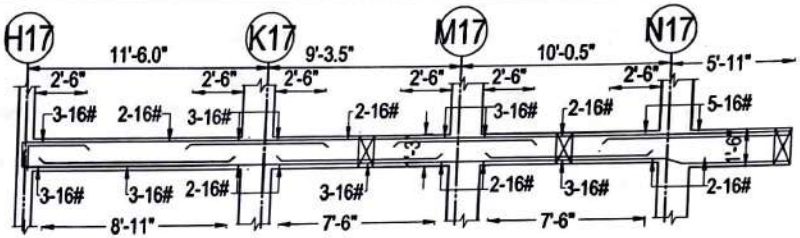
DESIGNED :	S.VENKATESH
DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	[illegible]
SCALE	1:72
SIZE	A3
DATE	08-03-2024
DWG.NO.	3C JOB.NO. 017-23
REV.NO.	R0

BALA STRUCTURAL CONSULTANT
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PALAYAMKOTTAI MARKET
PALAYAMKOTTAI
TIRUNELVELI-2
Email:balastructuralconsultant@gmail.com



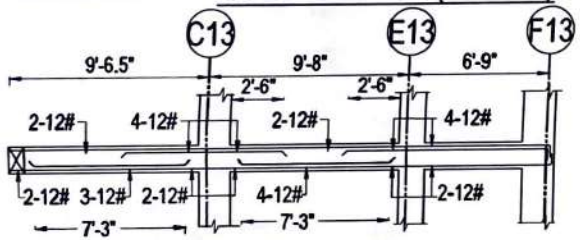
(9" X 1'6")

L/S OF BEAM-6A (9" X 1'3")

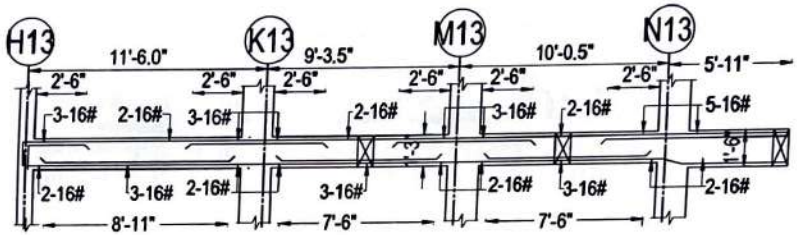


L/S OF BEAM-6B (9" X 1'3")

(9" X 1'6")

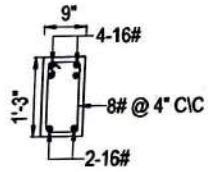


L/S OF BEAM-7A (9" X 1'3")



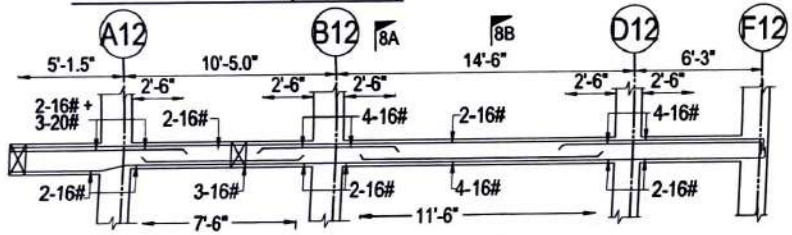
L/S OF BEAM-7B (9" X 1'3")

(9" X 1'6")

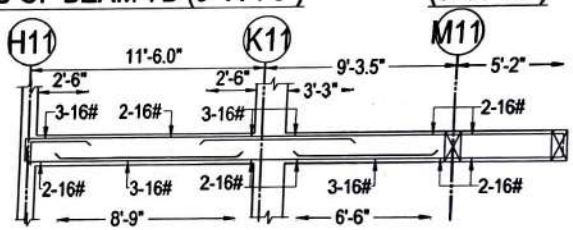


SECTION-8A

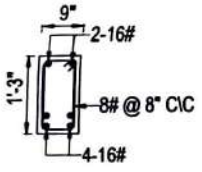
(SCALE 1:24)



L/S OF BEAM-8 (9" X 1'3")

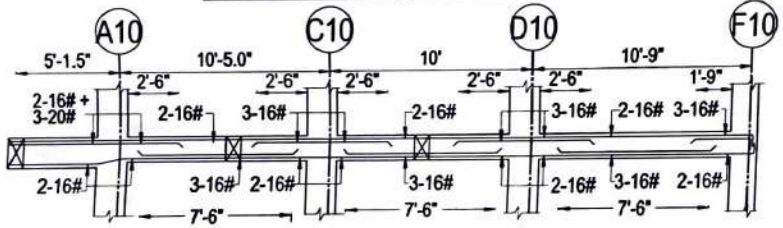


L/S OF BEAM-9 (9" X 1'3")

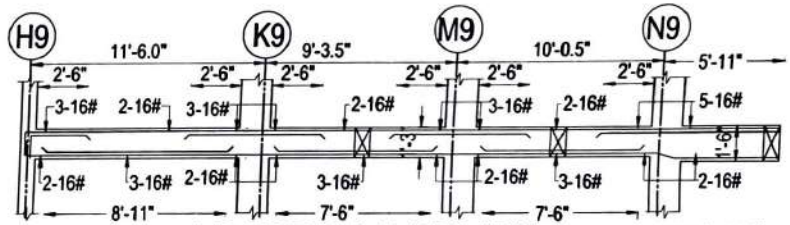


SECTION-8B

(SCALE 1:24)



L/S OF BEAM-10 (9" X 1'3")



L/S OF BEAM-11 (9" X 1'3")

(9" X 1'6")

SL.NO	DWG.NO	DESCRIPTION	DATE
RO		FOR DISCUSSION	08-03-2024
REV NO		DESCRIPTION	DATE

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DATE

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DESIGN LOADS:

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2. ROOF SLAB - 1.5kN/Sq.M

PROJECT:

PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE:

GROUND FLOOR ROOF BEAM DETAILS - 2

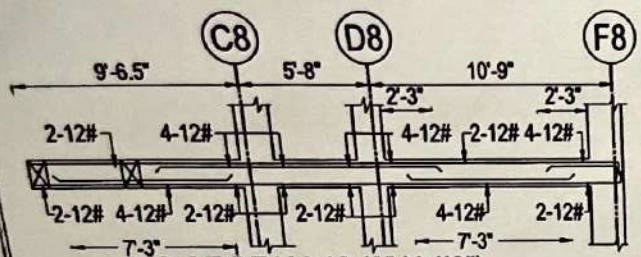
CLIENT:

Ar. SIVAKUMAR

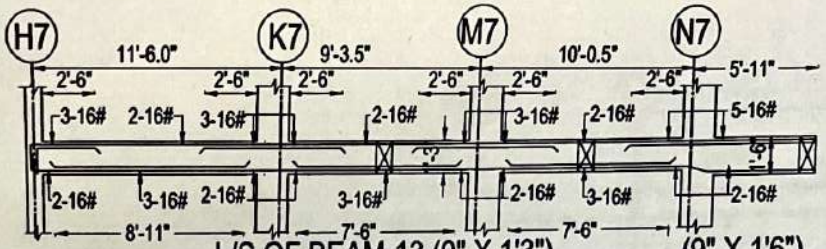
DESIGNED :	S.VENKATESH
DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANT\2023\017-23-Ar SIVAKUMAR -S+ARCH

SCALE	1:72		DATE	08-03-2024	
SIZE	A3				
DWG .NO.	3D	JOB .NO.	017-23	REV .NO.	R0

BALA STRUCTURAL CONSULTANT
198,GANANTHA NAYANAR STREET,
PALAYAMKOTTAI MARKET,
PALAYAMKOTTAI,
TIRUNELVELI-2
Email:balastructuralconsultant@gmail.com

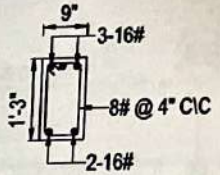


L/S OF BEAM-12 (9" X 1'3")

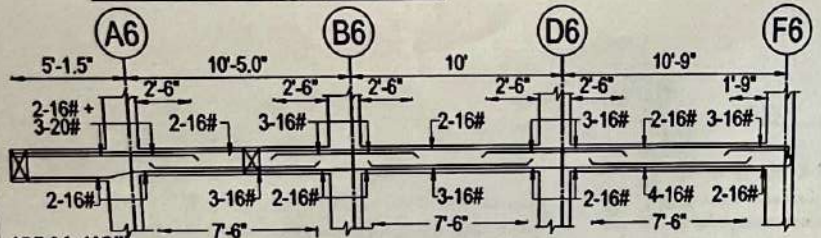


L/S OF BEAM-13 (9" X 1'3")

(9" X 1'6")

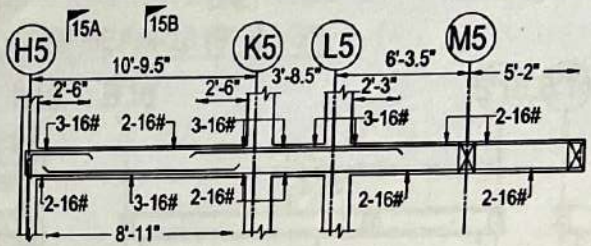


SECTION-15A
(SCALE 1:24)

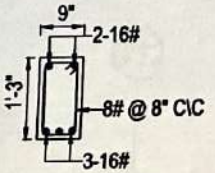


(9" X 1'6")

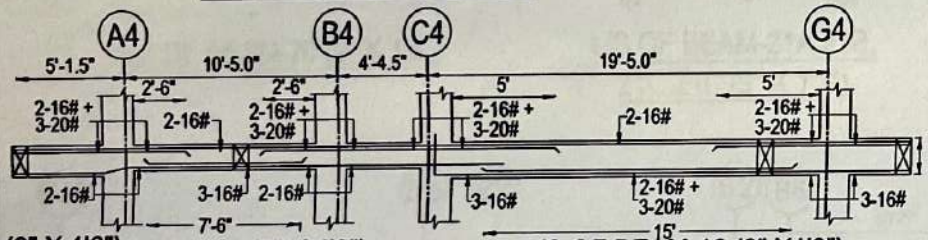
L/S OF BEAM-14 (9" X 1'3")



L/S OF BEAM-15 (9" X 1'3")



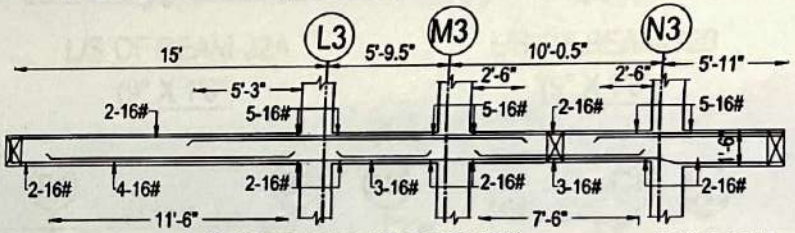
SECTION-15B
(SCALE 1:24)



(9" X 1'6")

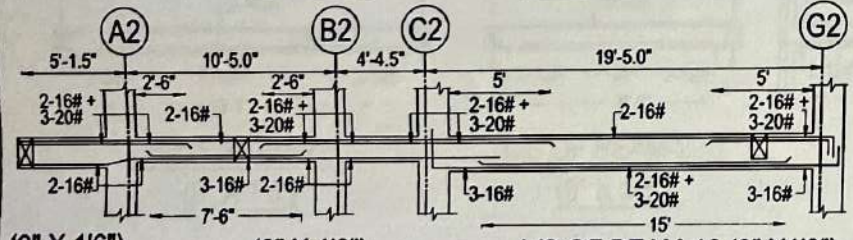
(9" X 1'3")

L/S OF BEAM-16 (9" X1'9")



L/S OF BEAM-17 (9" X 1'3")

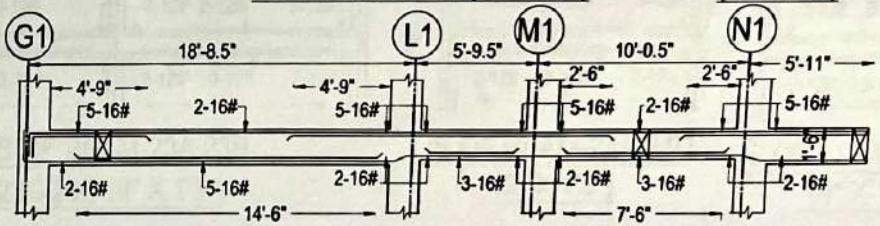
(9" X 1'6")



(9" X 1'6")

(9" X 1'3")

L/S OF BEAM-18 (9" X1'9")



(9" X 1'6")

L/S OF BEAM-19 (9" X 1'3")

(9" X 1'6")

SL.NO	DWG.NO	DESCRIPTION	DATE
R0	08-03-2024	FOR DISCUSSION	
REV.NO	DATE	DESCRIPTION	

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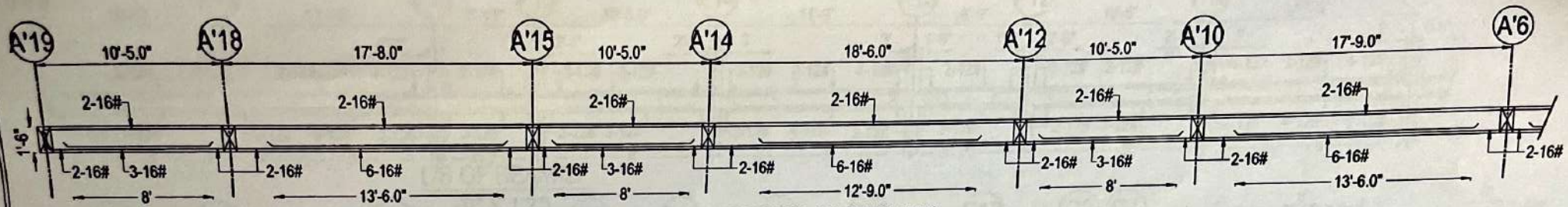
PROJECT:
PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE:
GROUND FLOOR ROOF BEAM DETAILS - 3

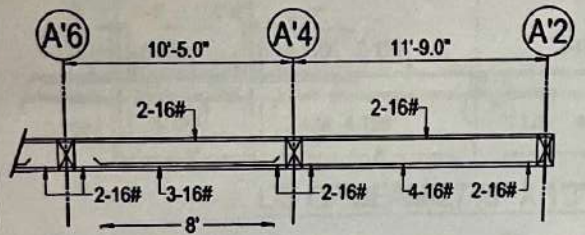
CLIENT:
Ar. SIVAKUMAR

DESIGNED :	S.VENKATESH
DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:\BALA STRUCTURAL CONSULTANT\2023\017-23-Ar SIVAKUMAR-S+4\GFR
SCALE	1:72
SIZE	A3
DATE	08-03-2024
DWG .NO.	3E
JOB .NO.	017-23
REV .NO.	R0

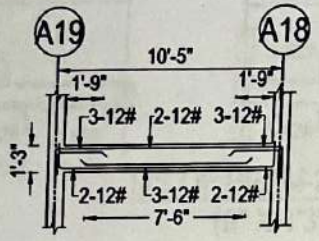
BALA STRUCTURAL CONSULTANT
19B,GANANTHA NAYANAR STREET,
PALAYAMKOTTAI MARKET,
PALAYAMKOTTAI,
TIRUNELVELI-2
Email:balastructuralconsultant@gmail.com



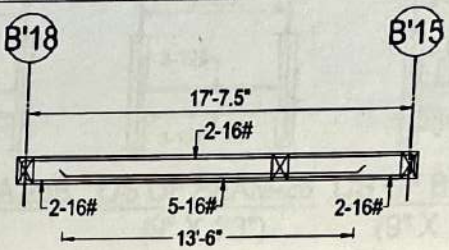
L/S OF BEAM-20 (9" X 1'6")



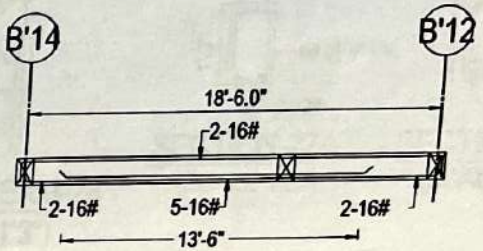
L/S OF BEAM-20 (9" X 1'6")



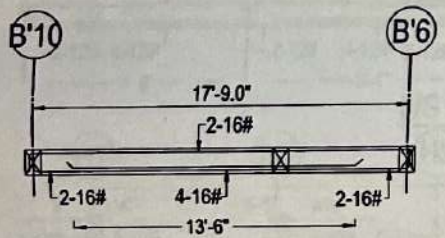
L/S OF BEAM-21A,21B, 21C,21D (9" X 1'3")



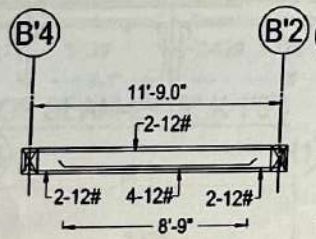
L/S OF BEAM-22A (9" X 1'6")



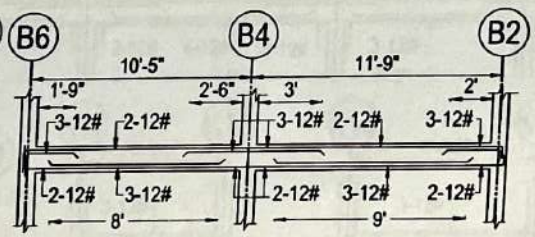
L/S OF BEAM-22B (9" X 1'6")



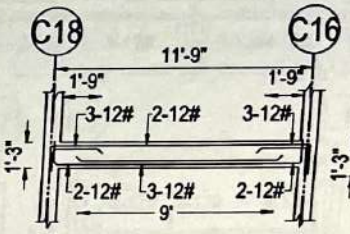
L/S OF BEAM-22C (9" X 1'6")



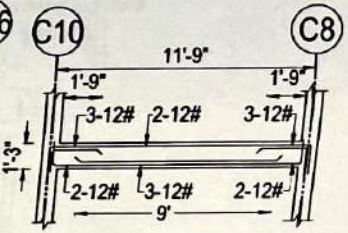
L/S OF BEAM-22D (9" X 1'3")



L/S OF BEAM-23A,23B 23C,23D (9" X 1'3")



L/S OF BEAM-24A,24D (9" X 1'3")



L/S OF BEAM-24B,24C (9" X 1'3")

SL.NO	DWG.NO	DESCRIPTION	DATE

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE

CHECKED BY
DATE :

REV.NO	DATE	DESCRIPTION
RO	08-03-2024	FOR DISCUSSION

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1

1.GRADE OF CONCRETE :
M25 - (DESIGN MIX) (AS PER IS 456-2000)
2.GRADE OF STEEL - Fe550D (AS PER IS 1786-2008)
3.DESIGNED FOR STILT + FOUR STOREYS ONLY

DESIGN LOADS:
1. FLOOR SLAB - 2,3,4 kN/Sq.M
2. ROOF SLAB - 1.5kN/Sq.M

PROJECT:
PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

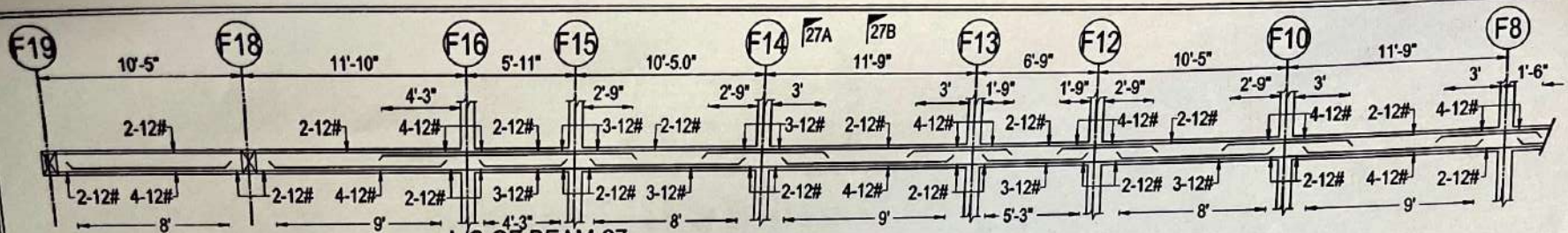
JOB TITLE:
GROUND FLOOR ROOF BEAM DETAILS - 4

CLIENT:
Ar. SIVAKUMAR

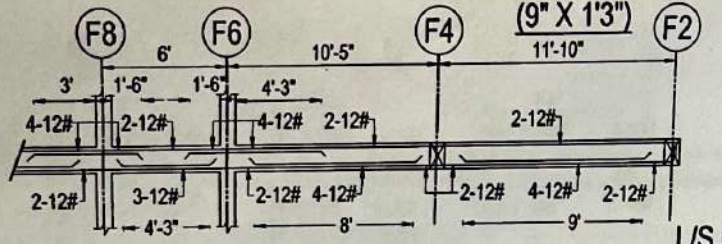
DESIGNED :	S.VENKATESH
DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANT\2023\017-23-Ar SIVAKUMAR -S-+E,FR

SCALE	1:72		DATE	08-03-2024	
SIZE	A3				
DWG .NO.	3E	JOB .NO.	017-23	REV .NO.	R0

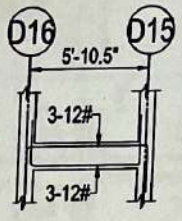
BALA STRUCTURAL CONSULTANT
19B GANANTHA NAYANAR STREET,
PALAYAMKOTTAI MARKET,
PALAYAMKOTTAI,
TIRUNELVELI-2
Email:balastructuralconsultant@gmail.com



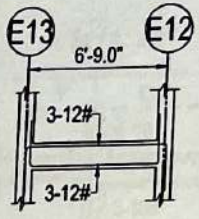
L/S OF BEAM-27
(9" X 1'3")



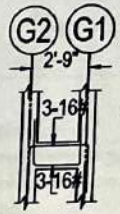
L/S OF BEAM-27 (9" X 1'3")



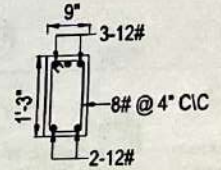
L/S OF BEAM-25A,25B
(9" X 1'3")



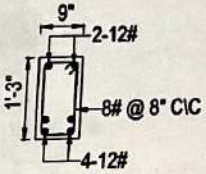
L/S OF BEAM-26
(9" X 1'3")



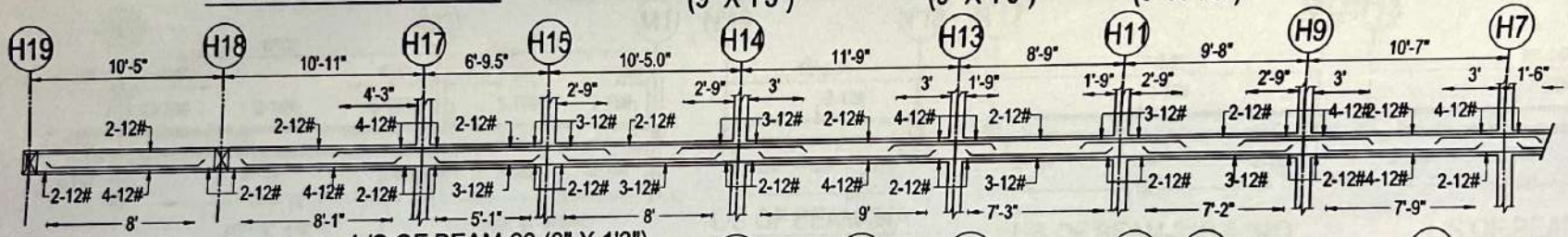
L/S OF BEAM-28
(9" X 1'3")



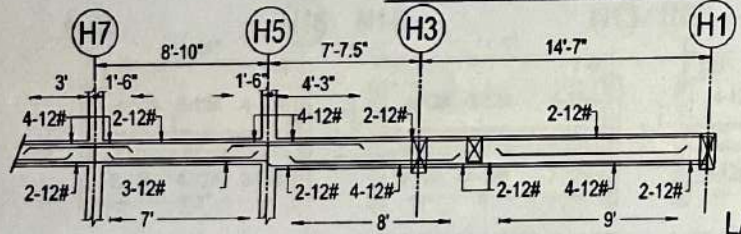
SECTION-27A
(SCALE 1:24)



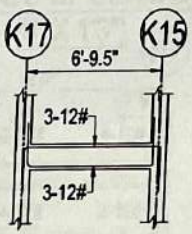
SECTION-27B
(SCALE 1:24)



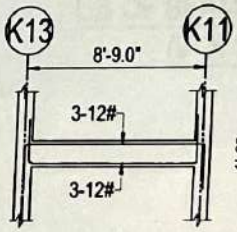
L/S OF BEAM-29 (9" X 1'3")



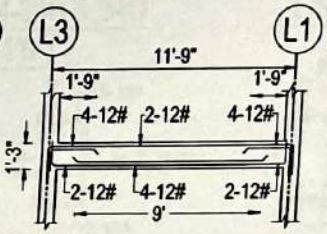
L/S OF BEAM-29 (9" X 1'3")



L/S OF BEAM-30A,30C
(9" X 1'3")



L/S OF BEAM-30B
(9" X 1'3")



L/S OF BEAM-31
(9" X 1'3")

SL.NO	DWG.NO	DESCRIPTION	DATE
RO		FOR DISCUSSION	08-03-2024
REV.NO		DESCRIPTION	DATE

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CHECKED BY :
DATE :

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1

1.GRADE OF CONCRETE
M25 - (DESIGN MIX) (AS PER IS 456-2000)
2.GRADE OF STEEL - **Fe550D** (AS PER IS 1786-2008)
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DESIGN LOADS:

1. FLOOR SLAB - 2.3.4 kN/Sq M
2. ROOF SLAB - 1.5kN/Sq M

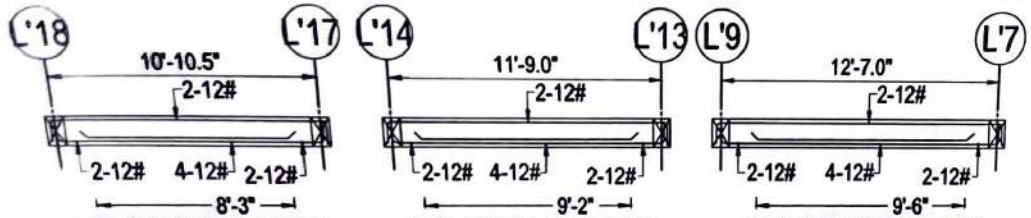
PROJECT:
PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE:
GROUND FLOOR ROOF BEAM DETAILS - 5

CLIENT:
Ar. SIVAKUMAR

DESIGNED :	S.VENKATESH
DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANT-22\10-17-23 & 20\MAJUMAR-5-RCFR
SCALE	1:72
SIZE	A3
DATE	08-03-2024
DWG.NO.	3G
JOB NO.	017-23
REV NO.	R0

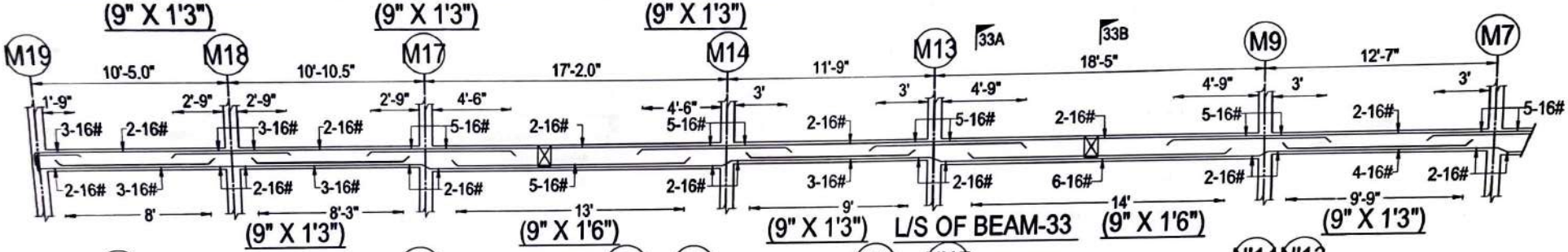
BALA STRUCTURAL CONSULTANT
19B,GANANTHA NAYANAR STREET,
PALAYAMKOTTAI MARKET,
PALAYAMKOTTAI,
TIRUNELVELI-2.
Email:balastructuralconsultant@gmail.com



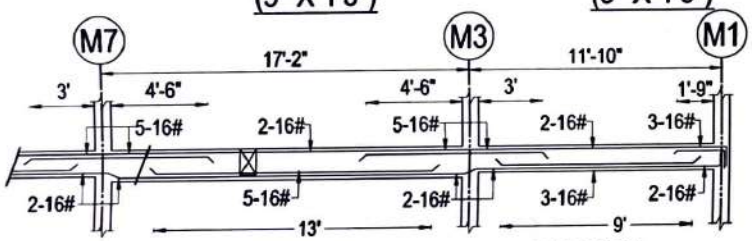
L/S OF BEAM-32A
(9" X 1'3")

L/S OF BEAM-32B
(9" X 1'3")

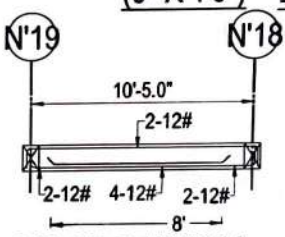
L/S OF BEAM-32C
(9" X 1'3")



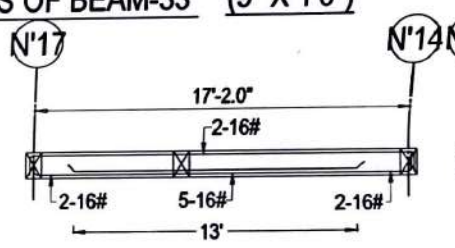
(9" X 1'3") (9" X 1'6") (9" X 1'3") L/S OF BEAM-33 (9" X 1'6") (9" X 1'3")



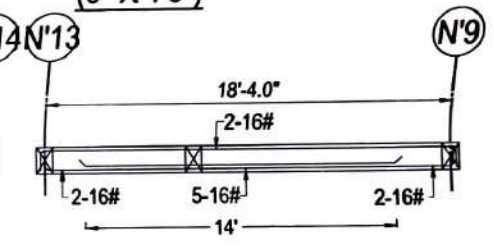
(9" X 1'6") (9" X 1'3")



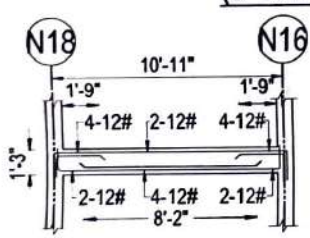
L/S OF BEAM-34A
(9" X 1'3")



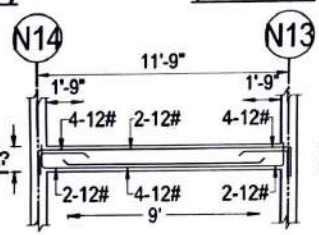
L/S OF BEAM-34B & 34D
(9" X 1'6")



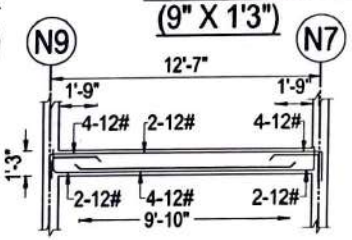
L/S OF BEAM-34C
(9" X 1'6")



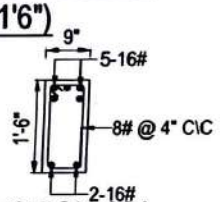
L/S OF BEAM-35A
(9" X 1'3")



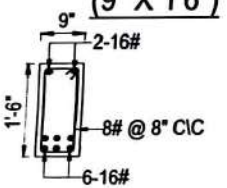
L/S OF BEAM-35B & 35D
(9" X 1'3")



L/S OF BEAM-35C
(9" X 1'3")



SECTION-33A
(SCALE 1:24)



SECTION-33B
(SCALE 1:24)

SL.NO	DWG NO	DESCRIPTION	DATE

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CHECKED BY
DATE

REV NO	DATE	DESCRIPTION
R0	08-03-2024	FOR DISCUSSION

GENERAL NOTES & TECHNICAL NOTES
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DESIGN LOADS:
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2 ROOF SLAB - 1.5kN/Sq.M

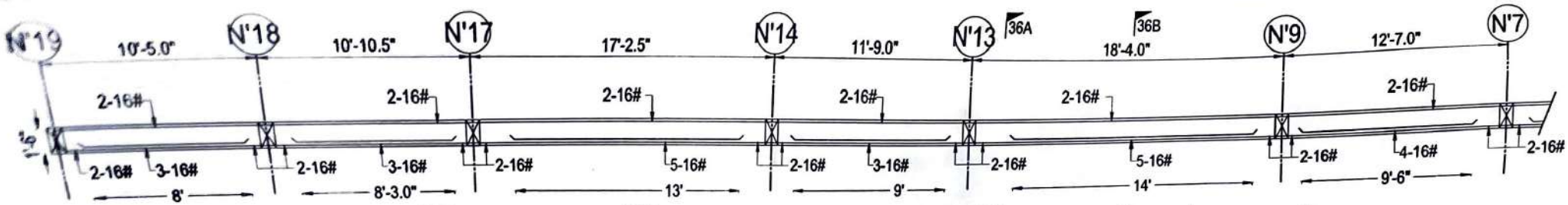
PROJECT: PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE: GROUND FLOOR ROOF BEAM DETAILS - 6

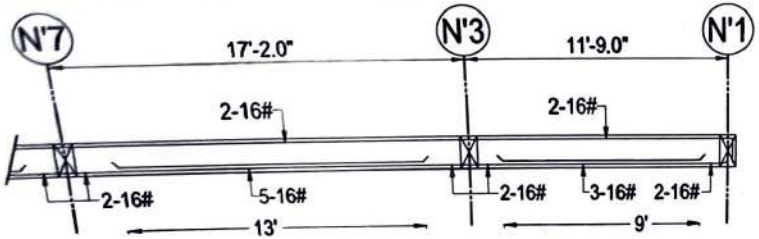
CLIENT: Ar. SIVAKUMAR

DESIGNED	S.VENKATESH		
DETAILED	S.VENKATESH		
CHECKED	P.BALA SUBRAMANIAN		
APPROVED	P.BALA SUBRAMANIAN		
FILE NAME	D:\BALA_STRUCTURAL_CONSULTANT\2023\017-23-Ar SIVAKUMAR -S-\RCFR		
SCALE	1:72	DATE	08-03-2024
SIZE	A3		
DWG NO	3H	JOB NO	017-23
REV NO.	R0		

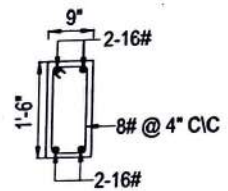
BALA STRUCTURAL CONSULTANT
19B GANANTHA NAYANAR STREET,
PALAYAMKOTTAI MARKET
PALAYAMKOTTAI
TIRUNELVELI-2
Email:balastructuralconsultant@gmail.com



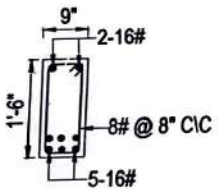
L/S OF BEAM-36 (9" X 1'6")



L/S OF BEAM-36 (9" X 1'6")



SECTION-36A
(SCALE 1:24)



SECTION-36B
(SCALE 1:24)

SLAB MARK	BOUNDRY CONDITION	SHORTER SPAN		LONGER SPAN		SLAB THICKNESS	REMARKS
		DIA	SPACING C/C	DIA	SPACING C/C		
S2s,S3s,S6s,S12s,S17s,S18s, S21s,S28s,S31s,S32s,S35s, S42s,S47s,S48s,S52s	TWO WAY	8#	6"	8#	6"	5"	s-SUNKEN
S1,S7,S9,S22,S25,S33,S36 S39,S53,S56,S61	TWO WAY	8#	6"	8#	6"	5"	
S4,S7,S10,S11,S13,S16,S19,S20, S26,S27,S29,S33,S34,S40,S41, S43,S49,S51,S57,S59	TWO WAY	10#	5"	10#	5"	6"	
S8,S9a,S14,S15,S23,S24,S37 S38,S44,S45,S54,S55,S58	TWO WAY	8#	6"	8#	6"	5"	DOUBLE MATT
S50	ONE WAY	8#	6"	8#	6"	5"	

S60s

S30, S46, S55

SL.NO	DWG.NO	DESCRIPTION	DATE
R0		FOR DISCUSSION	08-03-2024
REV NO		DESCRIPTION	DATE

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DATE :

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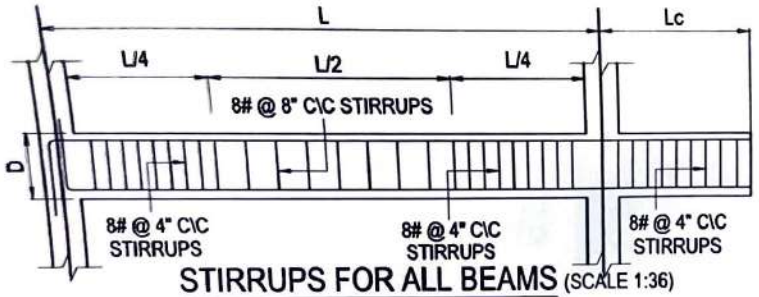
PROJECT:
PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE:
GROUND FLOOR ROOF BEAM DETAILS - 7

CLIENT:
Ar. SIVAKUMAR

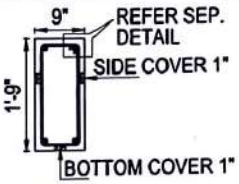
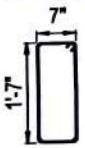
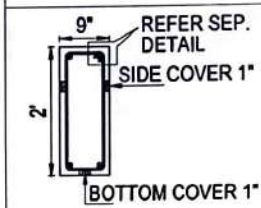
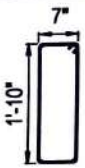
DESIGNED :	S.VENKATESH
DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:\BALA_STRUCTURAL_CONSULTANT\2023\017-23 G+4\DWG\
SCALE	1:72
SIZE	A3
DATE	08-03-2024
DWG .NO.	3J
JOB .NO.	017-23
REV NO	R0

BALA STRUCTURAL CONSULTANT
198,GANANTHA NAYANAR STREET,
PALAYAMKOTTAI MARKET,
PALAYAMKOTTAI,
TIRUNELVELI-2.
Email:balastructuralconsultant@gmail.com

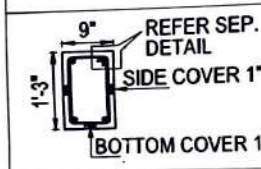
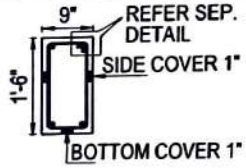


STIRRUPS FOR ALL BEAMS (SCALE 1:36)

BEAM STIRRUP DETAILS

C/S OF BEAM	STIRRUPS
	
	

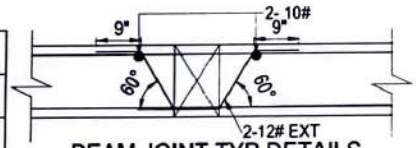
BEAM STIRRUP DETAILS

C/S OF BEAM	STIRRUPS
	
	

STIRRUPS FOR ALL BEAMS

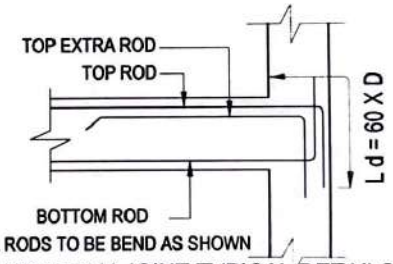
AT SUPPORT (L/4)	8# @ 4" C\C
AT MID SPAN (L/2)	8# @ 8" C\C
AT CANTILEVER (L)	8# @ 4" C\C

UNLESS SPECIFIED

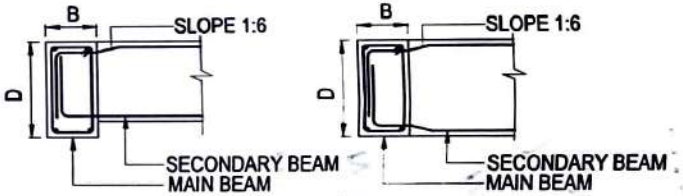


BEAM JOINT TYP DETAILS
(SCALE 1:24)

NOTE:
COVER BLOCK TO BE CAST WITH 6mm JELLY(1:2:3) SHOULD BE CURED FOR 7DAYS OR USE READYMADE COVER BLOCKS



COLUMN BEAM JOINT TYPICAL DETAILS
(SCALE 1:24)



SECTION OF MAIN & SECONDARY BEAM
(UNEQUAL DEPTHS)

SECTION OF MAIN & SECONDARY BEAM
(EQUAL DEPTHS)

SL.NO	DWG.NO	DESCRIPTION	DATE

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE

CHECKED BY
DATE

REV.NO	DATE	DESCRIPTION
RO	08-03-2024	FOR DISCUSSION

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1

1 GRADE OF CONCRETE
M25 - (DESIGN MIX) (AS PER IS 456-2000)
2 GRADE OF STEEL - **Fe550D** (AS PER IS 1786-2008)
3 DESIGNED FOR STILT + FOUR STOREYS ONLY.

DESIGN LOADS:
1 FLOOR SLAB - 2.3,4 kN/Sq.M
2 ROOF SLAB - 1.5kN/Sq.M

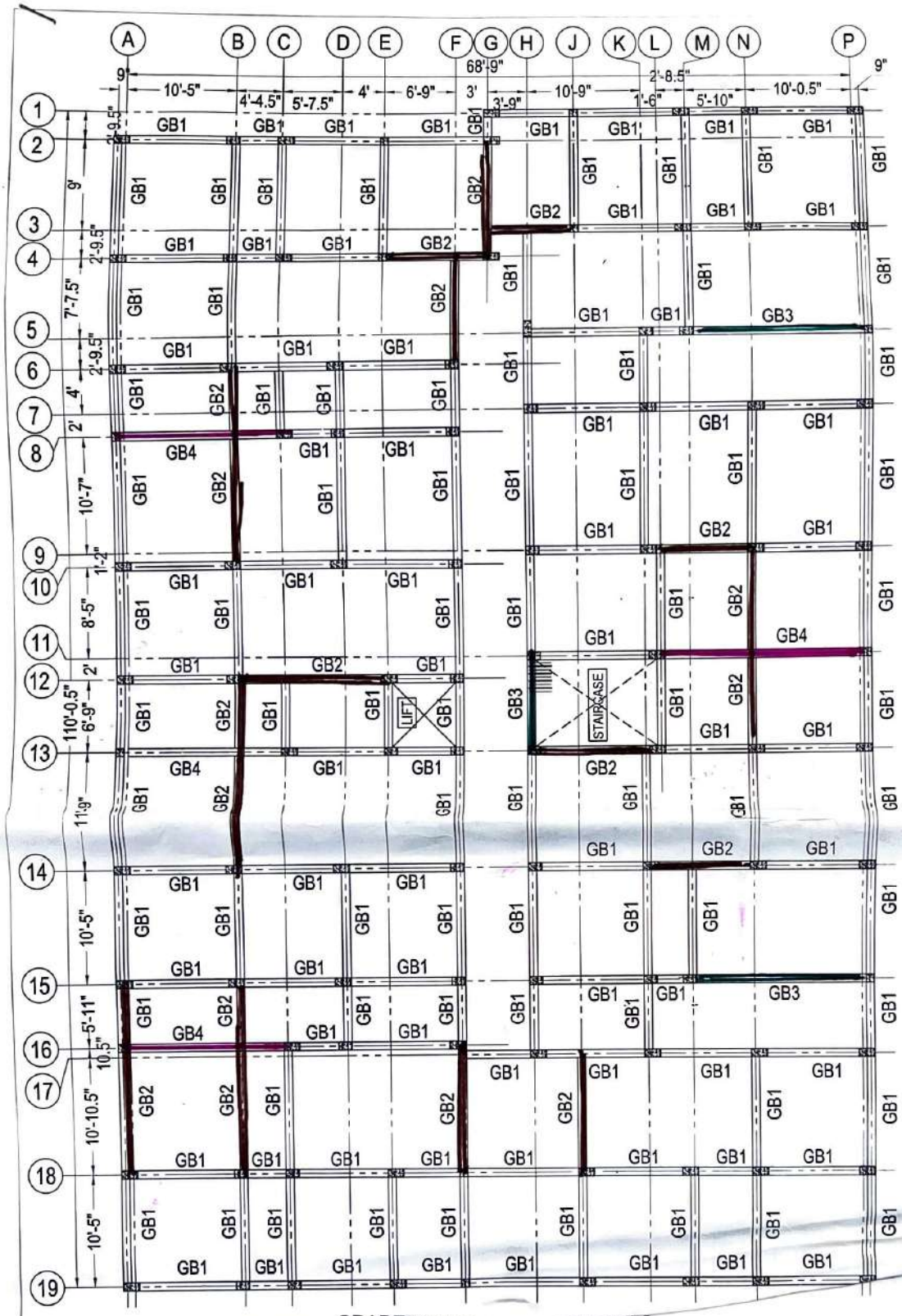
PROJECT:
PROPOSED HOSPITAL BUILDING AT TIRUNELVELI

JOB TITLE:
GROUND FLOOR ROOF BEAM DETAILS - 8

CLIENT:
Ar. SIVAKUMAR

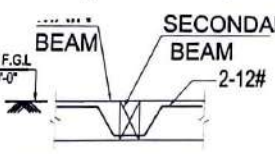
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DETAILED :	S.VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
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SCALE	1:72
SIZE	A3
DATE	08-03-2024
DWG .NO.	3K
JOB NO.	017-23
REV .NO.	R0

BALA STRUCTURAL CONSULTANT
19B,GANANTHA NAYANAR STREET
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TIRUNELVELI-2.
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GRADE BEAM LAYOUT & DETAILS

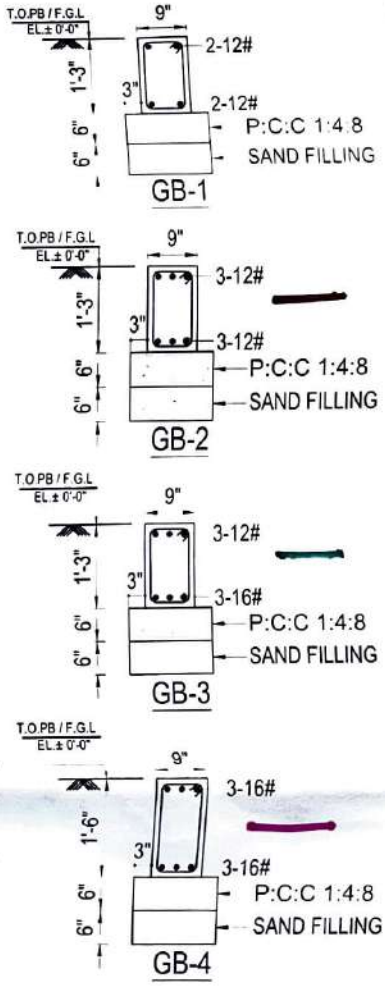
(SCALE 1:60)



SECONDARY BEAM

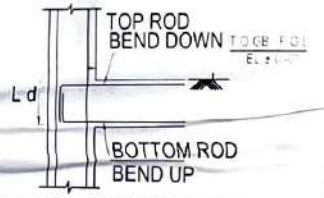
(CONNECTION DETAILS)

(SCALE 1:24)



LEGEND

GB	- GRADE BEAM
T.O.GB	- TOP OF GRADE BEAM
FGL	- FINISHED GROUND LEVEL



BEAM COLUMN JUNCTION

(CONNECTION DETAILS)

(SCALE 1:24)

STIRRUPS FOR ALL BEAMS

AT SUPPORT [L/4]	8# @ 4" C\C
AT CANTILEVER [L]	8# @ 4" C\C
AT MID SPAN [L/2]	8# @ 8" C\C

UNLESS SPECIFIED

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECKED AT SITE

SL.NO	DWG.NO	DESCRIPTION
RO	22-11-23	FOR DISCUSSION
REV.NO	DATE	DESCRIPTION

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1

1. GRADE OF CONCRETE : **M25** - (DESIGN MIX) (AS PER IS 456-2000)
2. GRADE OF STEEL - **Fe550** (AS PER IS 1786-2008)
3. SEISMIC DESIGN AS PER IS 1893-2002.(ZONE-III)
4. DESIGNED FOR S+4 ONLY.

DESIGN LOADS:

1. FLOOR SLAB - 2,3 kN/Sq.m
2. TERRACE - 1.5kN/Sq.m

PROJECT:

PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:

GRADE BEAM LAYOUT & DETAILS

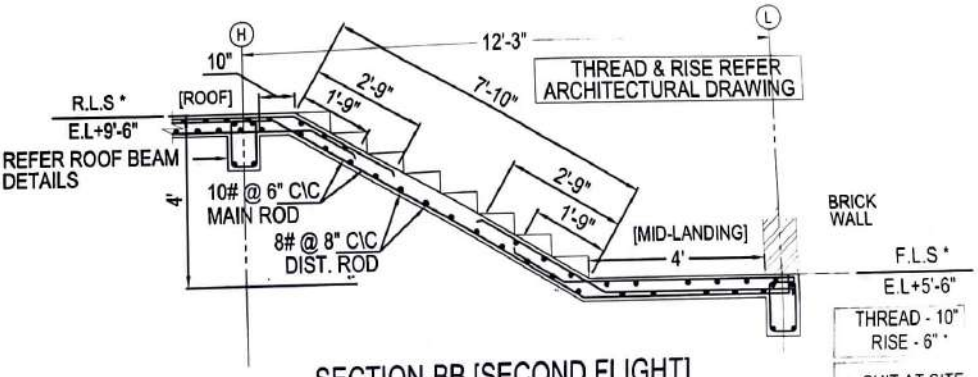
CLIENT:

Ar. SIVAKUMAR

DESIGNED :	S. VENKATESH
DETAILED :	S. VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANT\2023\017-23-Ar.SIVAKUMAR -S+4\GB & STAIR\R0
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JOB .NO	017-23
REV .NO	R0

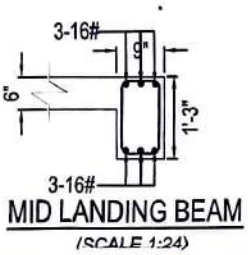
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NORTH HIGH GROUND ROAD
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Email :balastructuralconsultant@gmail.com

LEGEND	
F.G.L	FINISHED GROUND LEVEL
F.F.L	FINISHED FLOOR LEVEL
DIST.	DISTRIBUTOR
F.L.S	FIRST LANDING SLAB
M.B	MID LANDING BEAM
S.L.S	SECOND LANDING SLAB
R.L.S	ROOF LANDING SLAB



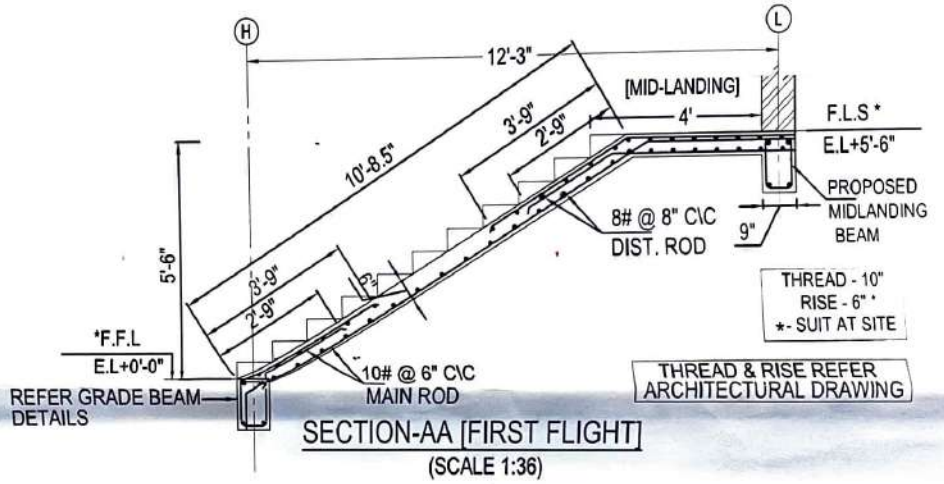
SECTION-BB [SECOND FLIGHT]

(SCALE 1:36)



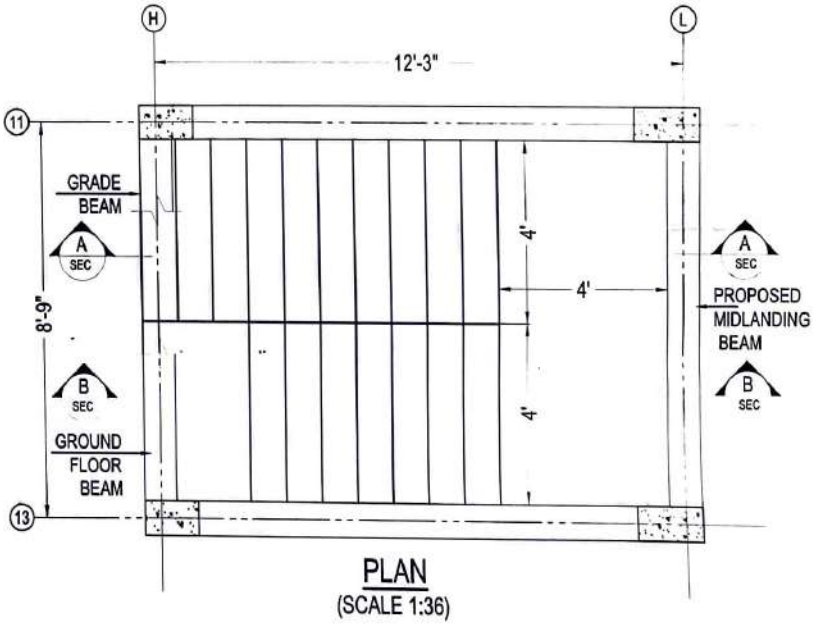
MID LANDING BEAM

(SCALE 1:24)



SECTION-AA [FIRST FLIGHT]

(SCALE 1:36)



PLAN

(SCALE 1:36)

SL.NO	DWG.NO	DESCRIPTION	DATE

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE

CHECKED BY :

DATE :

RO	22-11-23	FOR DISCUSSION
REV.NO	DATE	DESCRIPTION

GENERAL NOTES & TECHNICAL NOTES

REFER SHEET 1

1.GRADE OF CONCRETE :
M20- (DESIGN MIX) (AS PER IS 456-2000)

2.GRADE OF STEEL - **Fe550D** (AS PER IS 1786-2008)

3.DESIGNED FOR S+4 STOREYS ONLY

DESIGN LOADS:

1. FLOOR SLAB - 2-3 kN/Sq.m
2. ROOF SLAB -1.5-2 kN/Sq.m

PROJECT:

PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:

STAIRCASE DETAILS

CLIENT:

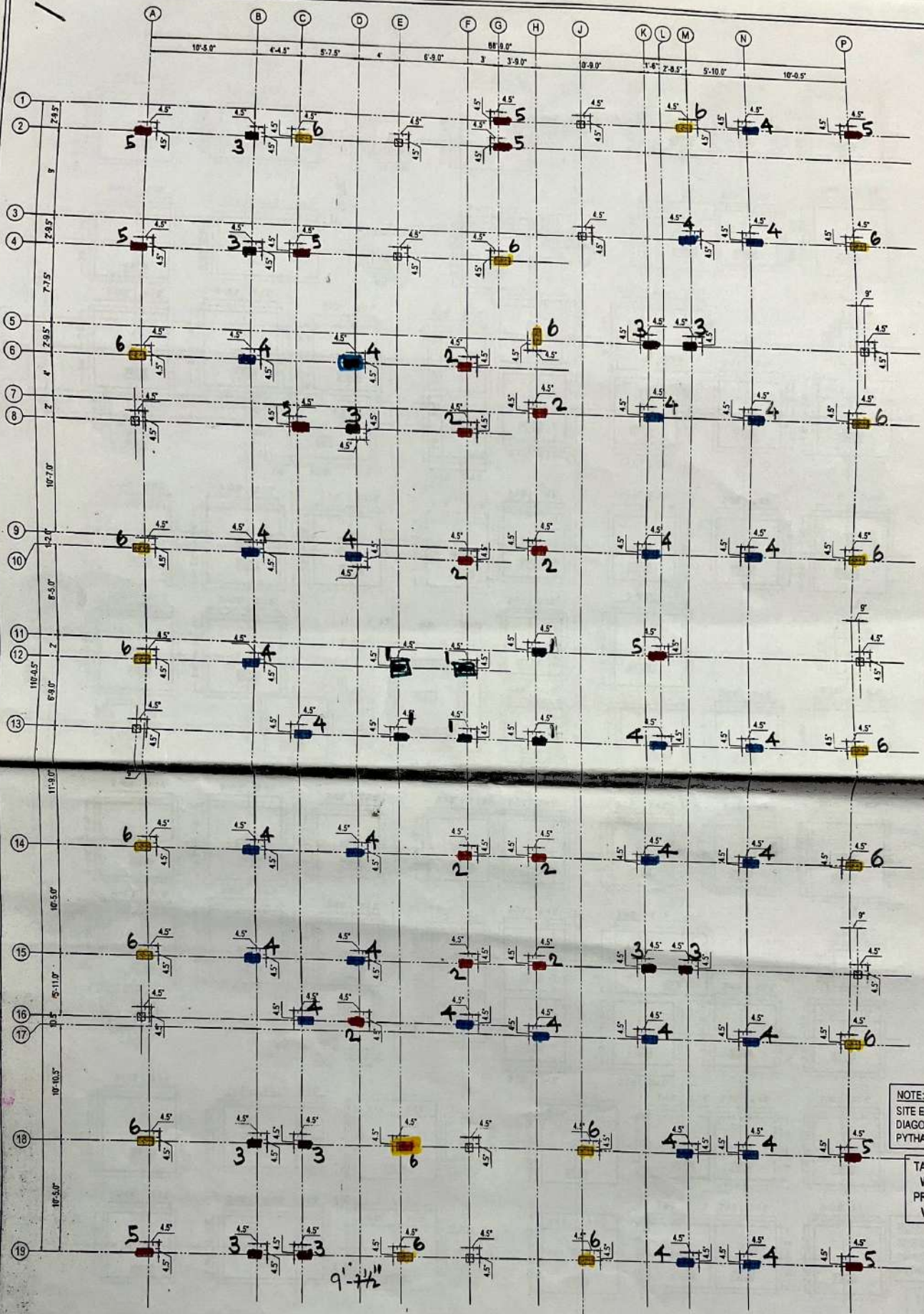
Ar. SIVAKUMAR

DESIGNED:	S. VENKATESH
DETAILED:	S. VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:\BALA STRUCTURAL CONSULTANCY\...\Ar SIVAKUMAR (S+4)\GB & STAIR.4
SCALE	1:60
SIZE	A3
DATE	22-11-23
DWG .NO.	28
JOB .NO.	017-23
REV .NO.	R0

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Call : 9994954448
Email : balastructuralconsultant@gmail.com



COLUMN CENTRELINE LAYOUT

(SCALE 1:60)

NOTE:
SITE ENGINEER HAS TO CHECK DIAGONAL MEASUREMENTS USING PYTHAGORAS THEOREM

TAKE CARE ABUTTING WALLS & SOIL WITH PROPER PROTECTION WHILE EXCAVATION

SL.NO	DWG.NO	DESCRIPTION	DATE

R0 22-08-23 FOR DISCUSSION

REV.NO DATE DESCRIPTION

GENERAL NOTES & TECHNICAL NOTES

REFER SHEET 1

1. GRADE OF CONCRETE : **M25** - (DESIGN MIX) (AS PER IS 456-2000)
2. GRADE OF STEEL - **Fe550** (AS PER IS 1786-2008)
3. SEISMIC DESIGN AS PER IS 1893-2002.(ZONE-III)
4. DESIGNED FOR S+4 ONLY.

DESIGN LOADS:

1. FLOOR SLAB - 2.3 kN/Sq.m
2. TERRACE - 1.5kN/Sq.m

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECKED AT SITE

PROJECT:
PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:
COLUMN CENTRELINE LAYOUT

CLIENT:
Ar. SIVAKUMAR

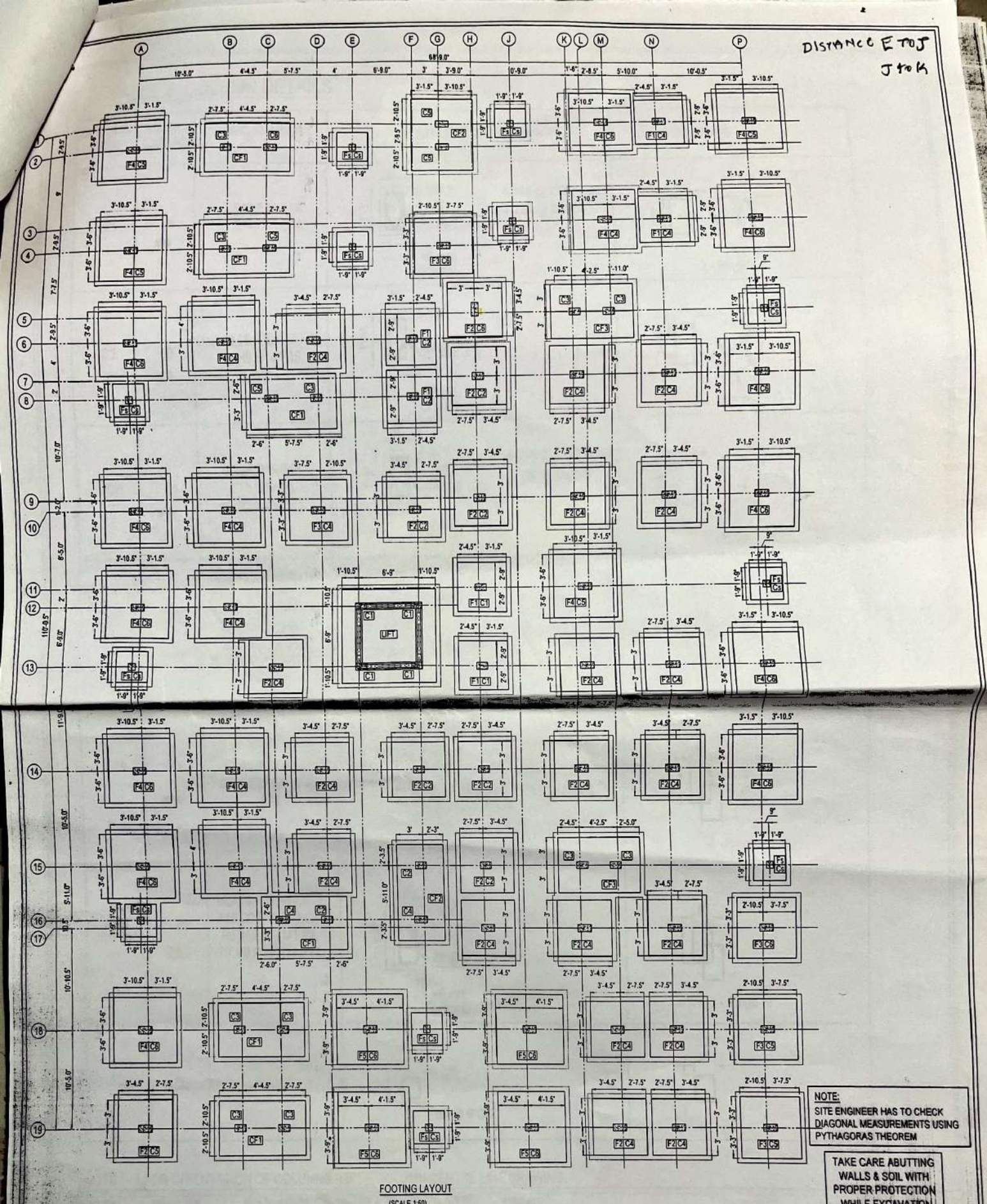
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DETAILED :	S. VENKATESH			
CHECKED :	P.BALA SUBRAMANIAN			
APPROVED :	P.BALA SUBRAMANIAN			
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANTS\2023\017-23-Ar.SIVAKUMAR -S+4\CADDWG			
SCALE	1:60		DATE	22-08-23
SIZE	A1			
DWG.NO.	1A	JOB.NO. 017-23	REV.NO.	R0

BALA STRUCTURAL CONSULTANT

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Email :balastructuralconsultant@gmail.com



FOOTING LAYOUT

(SCALE 1:60)

SL.NO	DWG.NO	DESCRIPTION	DATE
00	22-08-23	FOR DISCUSSION	
REV.NO	DATE	DESCRIPTION	

GENERAL NOTES & TECHNICAL NOTES

REFER SHEET 1

1. GRADE OF CONCRETE :
   M25 - (DESIGN MIX) (AS PER IS 456-2000)
2. GRADE OF STEEL - **Fe550** (AS PER IS 1786-2008)
3. SEISMIC DESIGN AS PER IS 1893-2002.(ZONE-III)
4. DESIGNED FOR S+4 ONLY.

DESIGN LOADS:

1. FLOOR SLAB - 2,3 kN/Sq.m
2. TERRACE - 1.5kN/Sq.m

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECKED AT SITE

PROJECT:

PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:

FOOTING LAYOUT

CLIENT:

Ar. SIVAKUMAR

DESIGNED :	S. VENKATESH
DETAILED :	S. VENKATESH
CHECKED :	P.BALA SUBRAMANIAN
APPROVED :	P.BALA SUBRAMANIAN
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANTS\2023\011-23-Ar.SIVAKUMAR-SI-PERUMALPURAM
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REV .NO.	R0

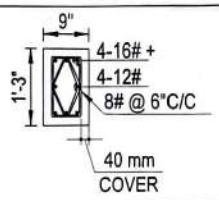
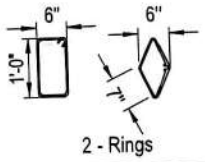
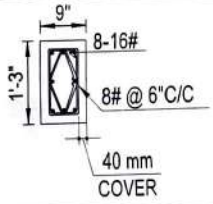
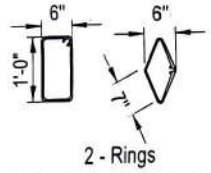
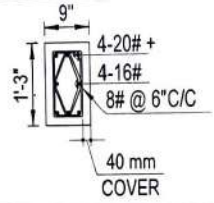
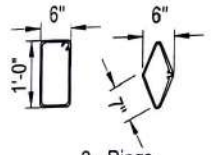
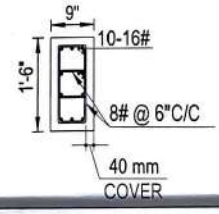
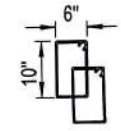
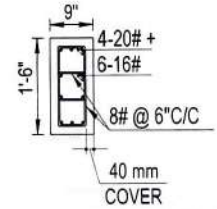
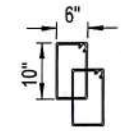
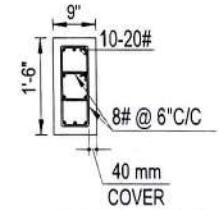
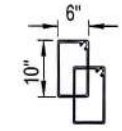
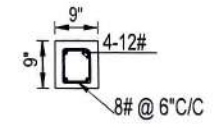
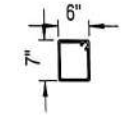
BALA STRUCTURAL CONSULTANT

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NORTH HIGH-GROUND ROAD,
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TABLE 2: COLUMN DETAILS

COLUMN MARK	NO OF COLUMN	GRID NUMBER	STILTFLOOR & FIRST FLOOR	TIES SHAPE
C1	06	E12,E13,F12, F13,H11,H13	 4-16# @ CORNERS 4-12# @ SIDES	 2 - Rings
C2	10	D16,F6,F8,F10,F14,F15, H7,H9,H14,H15		 2 - Rings
C3	11	B2,B4,B18,B19, C18,C19,D8, K5,K15,M5,M15	 4-20# @ CORNERS 4-16# @ SIDES	 2 - Rings
C4	30	B6,B10,B12,B14,B15, C13,C16,D6,D10,D14, D15,F16,H17,K7,K9, K14,K17,L13,M3, M18,M19,N1,N3, N7,N9,N13,N14,N17, N18,N19		 2 - Rings
C5	11	A2,A4,A19,C4,C8, G1,G2,L11,P1,P18, P19	 4-20# @ CORNERS 6-16# @ SIDES	 2 - Rings
C6	20	A6,A10,A12,A14,A15, A18,C2,E18,E19,G4, H5,J18,J19,M1,P3, P7,P9,P13,P14,P17		 2 - Rings
Cs	12	REFER FOOTING LAYOUT		

NOTE : - 1.FOR ORIENTATION OF COLUMNS REFER COLUMN CENTRE LINE DRAWING.

SL.NO	DWG.NO	DESCRIPTION	DATE
RO	22-08-23	FOR DISCUSSION	
REV NO	DATE	DESCRIPTION	

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1
1.GRADE OF CONCRETE :
M25 - (DESIGN MIX) (AS PER IS 456-2000)
2.GRADE OF STEEL - **Fe550** (AS PER IS 1786-2008)
3.SEISMIC DESIGN AS PER IS 1893-2002.(ZONE-III)
4.DESIGNED FOR S+4 ONLY.

DESIGN LOADS:
1. FLOOR SLAB - 2.3 kN/Sq.m
2. TERRACE - 1.5kN/Sq.m

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECKED AT SITE

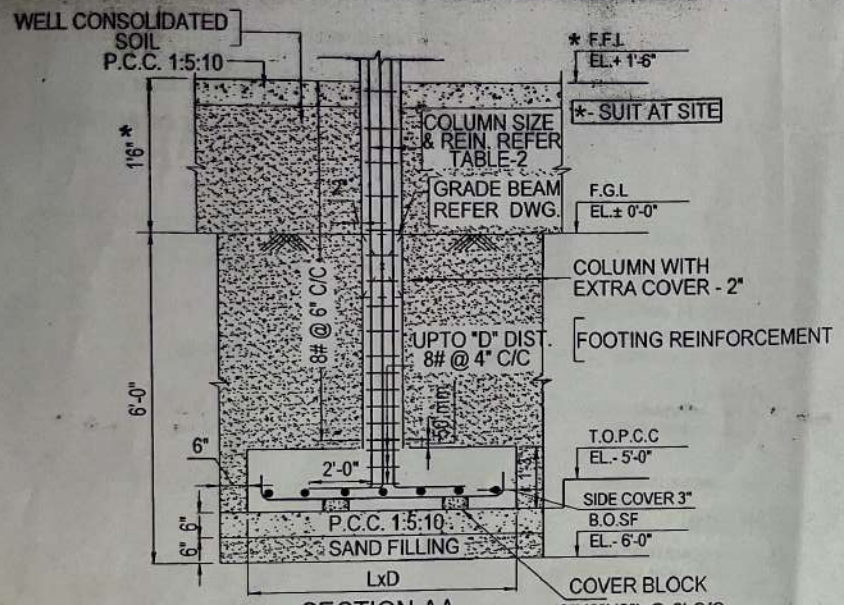
PROJECT:
PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:
COLUMN DETAILS

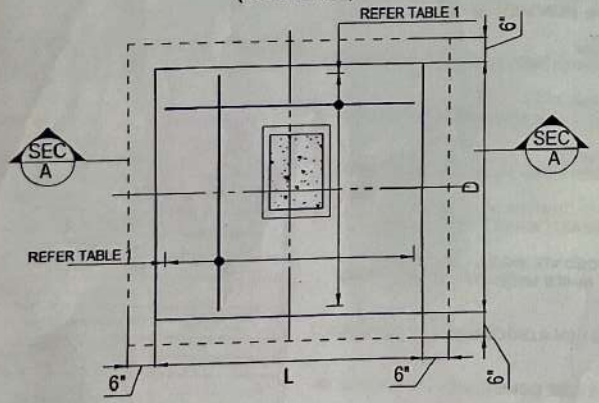
CLIENT:
Ar. SIVAKUMAR

DESIGNED :	S. VENKATESH			
DETAILED :	S. VENKATESH			
CHECKED :	P.BALA SUBRAMANIAN			
APPROVED :	P.BALA SUBRAMANIAN			
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SCALE	1:60		DATE	22-08-23
SIZE	A1			
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BALA STRUCTURAL CONSULTANT
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NORTH HIGH-GROUND ROAD,
PALAYAMKOTTAI, TVL-11.
Ph : +91-99949-64448
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SECTION AA
(SCALE 1:30)



ISOLATED FOOTING PLAN-F1
(SCALE 1:30)

TABLE-1 FOOTING DETAILS:

SBC-250 KN/SQ.M

FOOTING MARK	NO. OF FOOTINGS	GRID REFERENCE	(L)	(B)	(D)	DIA. (mm)	SPACING C/C (BOTH WAYS)
F1	06	F6,F8,H11,H13,N1,N3	5'-6"	5'-6"	1'-3"	12#	6" C/C
F2	27	A19,C13,D6,D14,D15,F10,F14, H5,H7,H9,H14,H15,H17,K7,K9, K14,K17,L13,M18,M19,N7,N9, N13,N14,N17,N18,N19	6'-0"	6'-0"	1'-6"	12#	6" C/C
F3	05	D10,G4,P17,P18,P19	6'-6"	6'-6"	1'-9"	12#	6" C/C
F4	22	A2,A4,A6,A10,A12,A14,A15,A18 B6,B10,B12,B14,B15,L11,M1,M3 P1,P3,P7,P9,P13,P14	7'-0"	7'-0"	1'-9"	12#	5" C/C
F5	04	E18,E19,J18,J19	7'-6"	7'-6"	1'-9"	12#	5" C/C
CF1	06	B2+C2,B4+C4,B18+C18, B19+C19,C16+D16,C8+D8	REFER FOOTING LAYOUT		1'-3"	12#	6" C/C DOUBLE MAT
CF2	02	F15+F16,G1+G2			1'-6"	12#	6" C/C DOUBLE MAT
CF3	02	K5+M5 , K15+M15			1'-6"	10#	6" C/C DOUBLE MAT
LIFT	01	E12+F12+E13+F13			1'-3"	10#	6" C/C DOUBLE MAT
Fs		REFER FOOTING LAYOUT	3'-6"	3'-6"	1'-0"	10#	6" C/C

SL.NO	DWG.NO	DESCRIPTION	DATE
RO		FOR DISCUSSION	22-08-23
REV.NO		DESCRIPTION	DATE

THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE

CHECKED BY :
DATE :

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET 1

1.GRADE OF CONCRETE :
M25- (DESIGN MIX) (AS PER IS 456-2000)
2.GRADE OF STEEL - **Fe550** (AS PER IS 1786-2008)
3.SEISMIC DESIGN AS PER IS 1893-2002.(ZONE-III)
4.DESIGNED FOR S+4 ONLY.

DESIGN LOADS:

1. FLOOR SLAB - 2.3 kN/Sq.m
2. TERRACE - 1.5kN/Sq.m

PROJECT:
PROPOSED APARTMENT AT PERUMALPURAM

JOB TITLE:
FOOTING DETAILS & SECTION

CLIENT:
Ar. SIVAKUMAR

DESIGNED :	S. VENKATESH		
DETAILED :	S. VENKATESH		
CHECKED :	P.BALA SUBRAMANIAN		
APPROVED :	P.BALA SUBRAMANIAN		
FILE NAME :	D:_BALA_STRUCTURAL_CONSULTANT\2023\017-23-Ar.SIVAKUMAR -S+4\CADD\R0		
SCALE	1:30,36	DATE	22-08-23
SIZE	A3		
DWG .NO.	1C JOB .NO 017-23	REV .NO	R0

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