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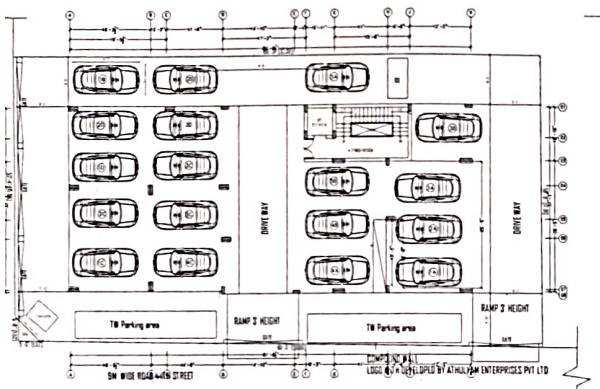
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Official Property Record

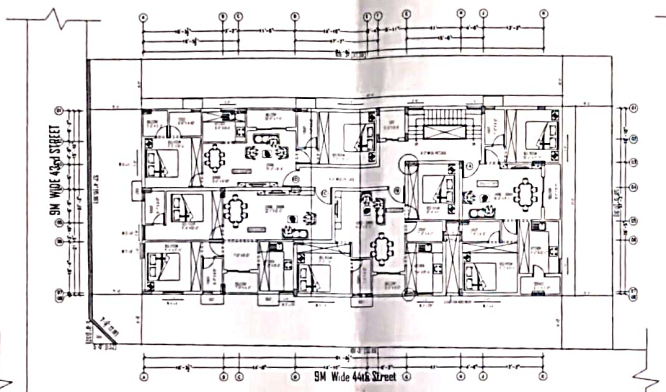
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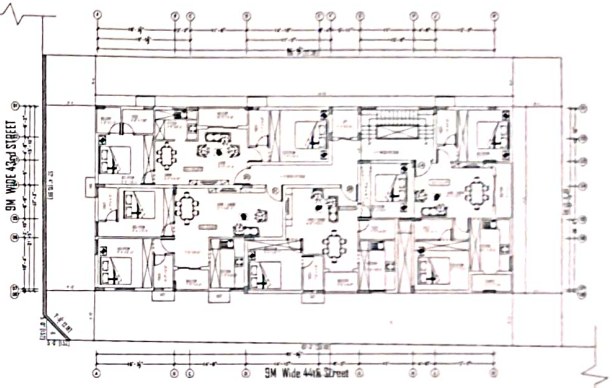
COLUMN LAYOUT + ARCHITECTURAL PLAN



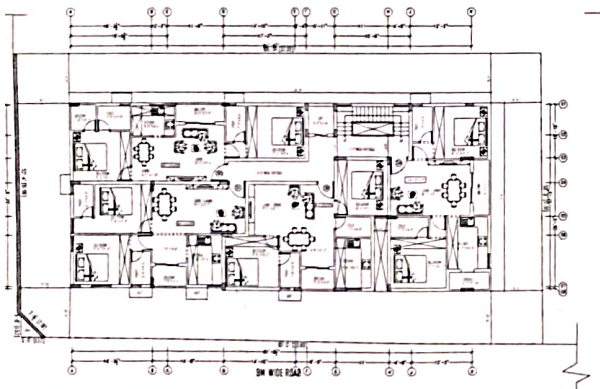
SITE CUM STILT FLOOR PLAN



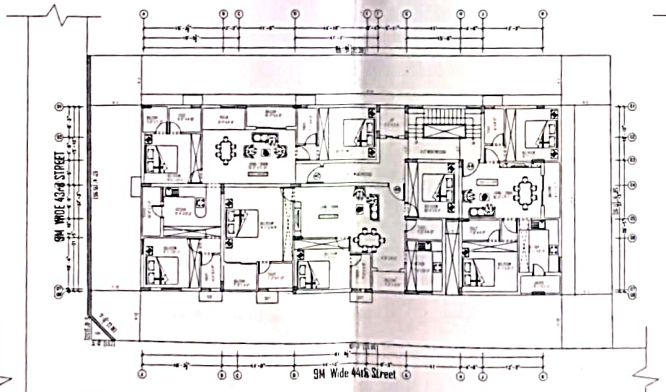
FIRST FLOOR PLAN



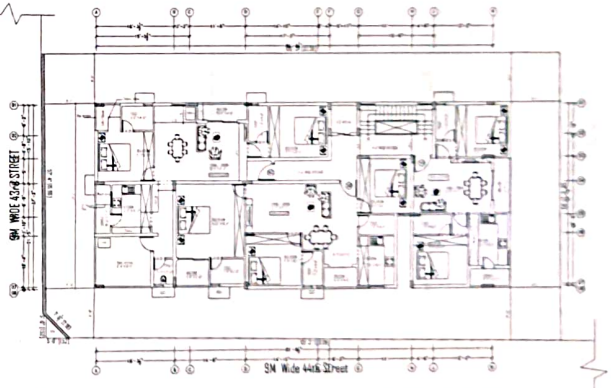
SECOND FLOOR PLAN



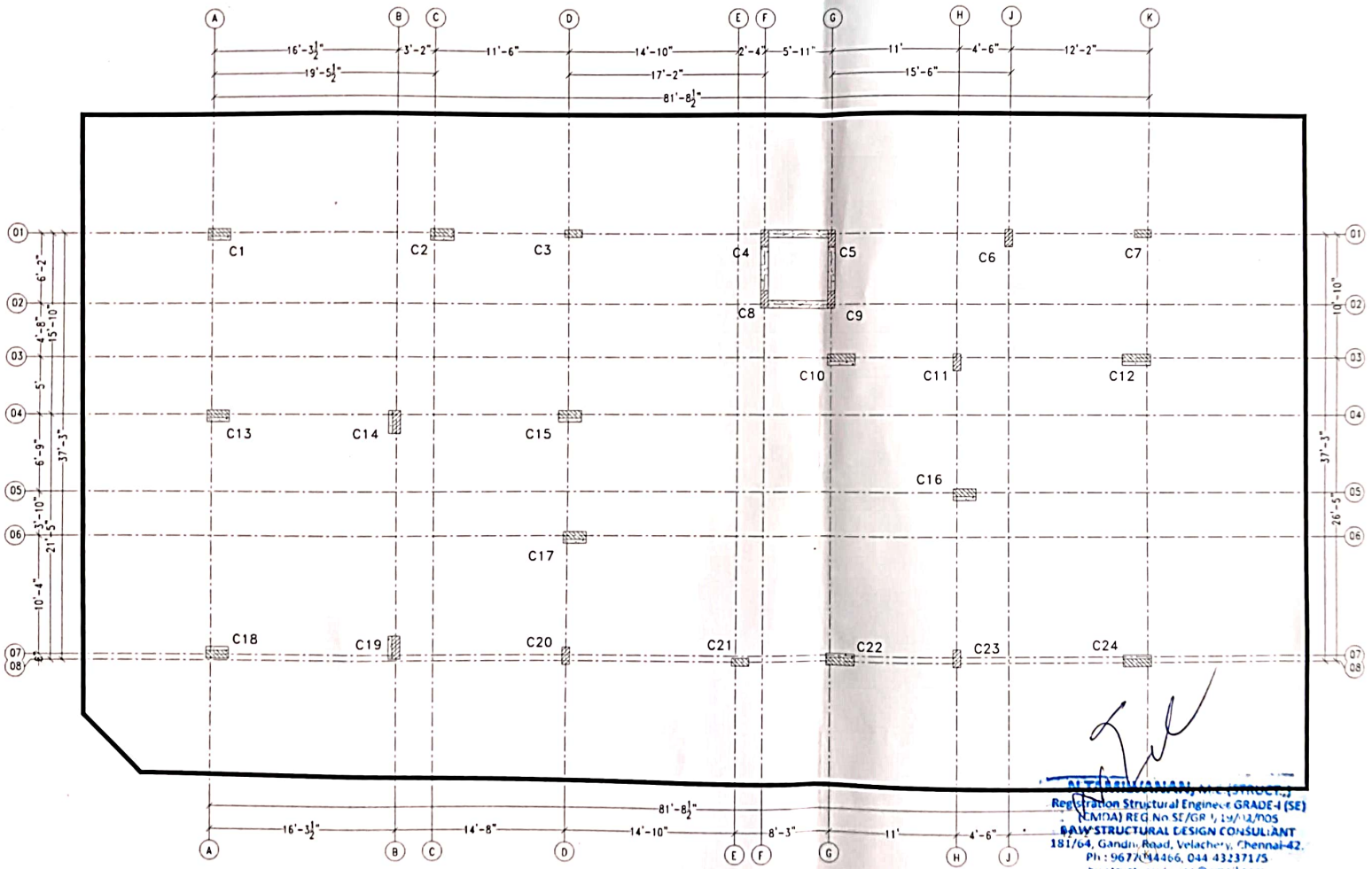
THIRD FLOOR PLAN



FOURTH FLOOR PLAN



FIFTH FLOOR PLAN



N.TAMILVANAN, M.E (STRUCT.)
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bwstructuraldesign@gmail.com

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2),
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-½".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
C	COLUMN	
	CONTINUOUS COLUMN TERMINATED COLUMN	
RCW	REINFORCED CONCRETE WALL	

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-01
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
COLUMN MARKING LAYOUT

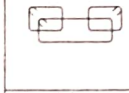
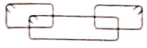
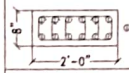
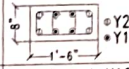
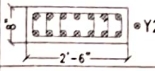
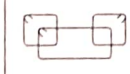
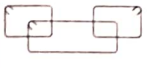
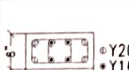
REVISION:- R0

DIRECTION:- N W E S

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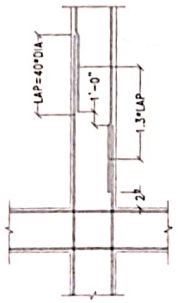
ISSUED FOR:- ✓ APPROVAL ONLY

COLUMN SCHEDULE:-

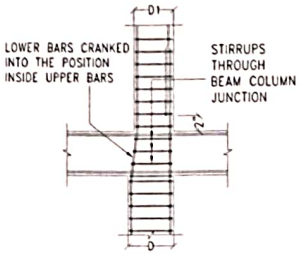
GROUND FLOOR ROOF TO TERRACE FLOOR			
	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
			
	12-Y20	4-Y20 + 4-Y16	14-Y25
UP TO GROUND FLOOR ROOF			
	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
			
	14-Y20	4-Y20 + 4-Y16	16-Y25
COLUMN MARKED	C1, C2, C13, C14, C15, C16, C17, C18, C19	C3, C4, C5, C6, C7, C8, C9, C11, C20, C21, C23	C10, C12, C22, C24



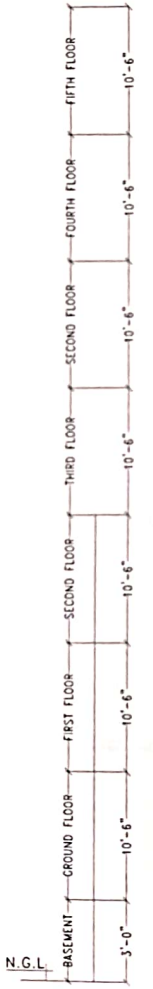
LATERAL TIE DETAILS



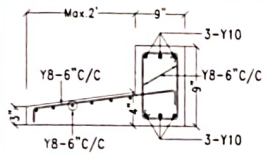
LAPPING DISTANCE



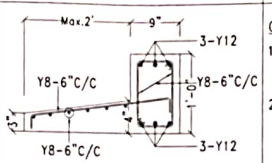
VARYING SIZE OF COLUMN



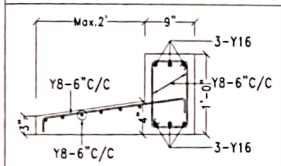
FLOOR LEVELS



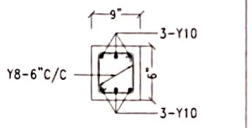
OPENING UP TO 5'-0"



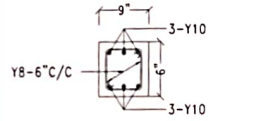
OPENING UP TO 5'-0" TO 8'-0"



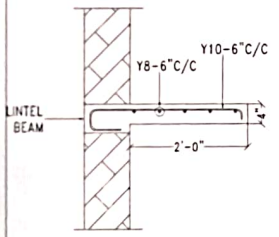
OPENING UP TO 8'-0" TO 10'-0"



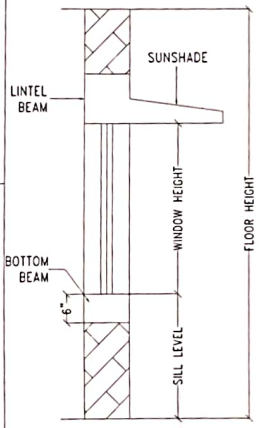
CONTINUOUS LINTEL BEAM(LB)



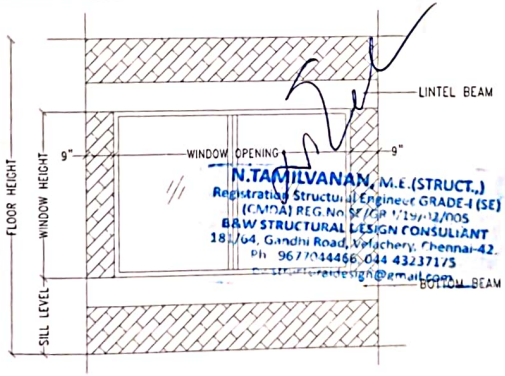
BOTTOM LINTEL BEAM(BB)



LOFT SLAB



LINTEL CROSS SECTION



ISSUED FOR:- ☑ APPROVAL ONLY

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4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION
NGL	NATURAL GROUND LEVEL

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023
DRAWING BY:	TSS
DESIGN BY:	NTV
PROJECT NO:	ST-2023/02/35/01/08/01

ST-01A

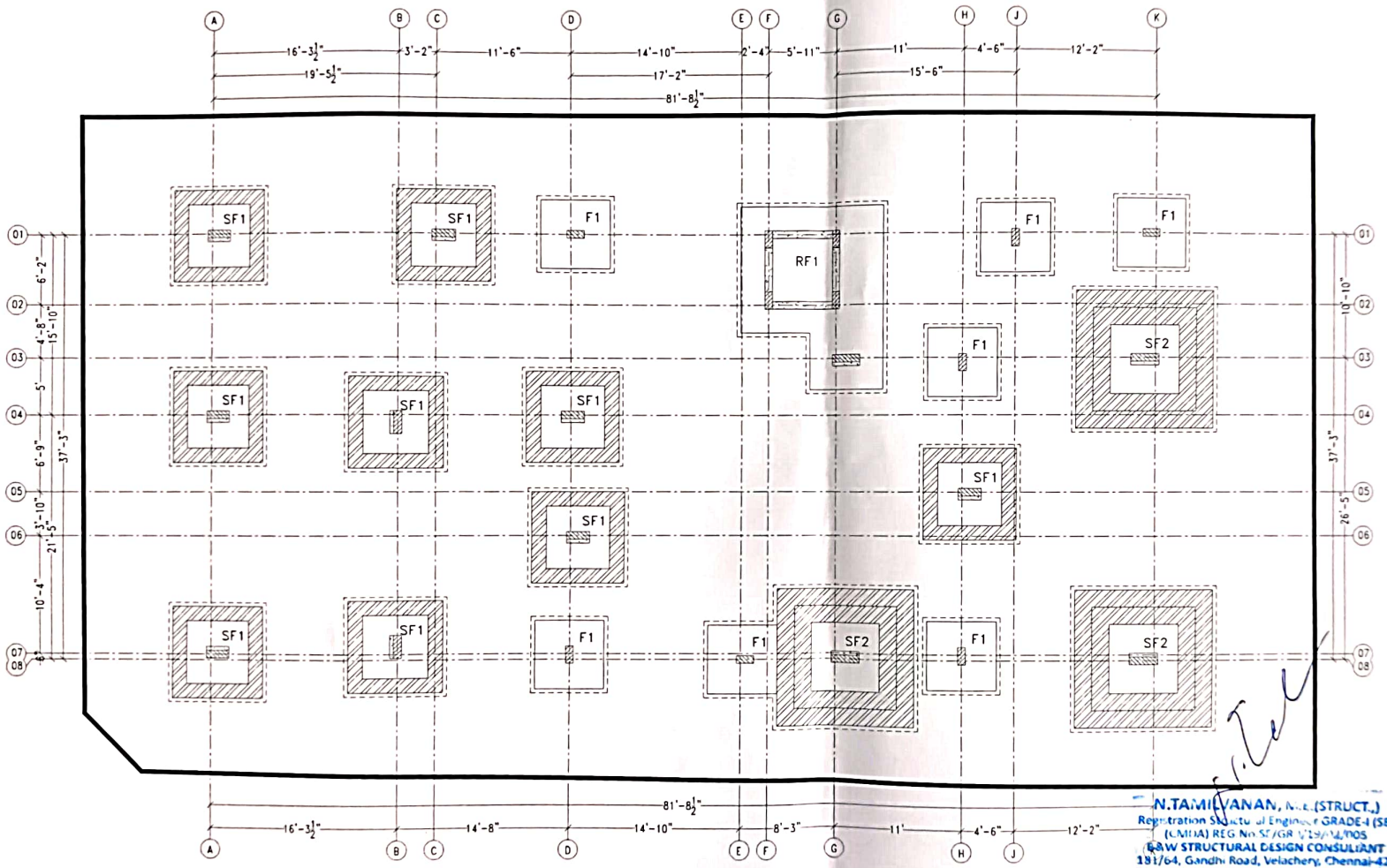
TITLE:-
COLUMN, LINTEL & LOFT REINFORCEMENT DETAILS

REVISION:- R0

DIRECTION:- N W E S

N.TAMILVANAN M.E(STRUCT.)
CMDA, CORPORATION & DTCP
Registered Structural Engineer GRADE-1(SE)
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9677044466, 9677044515, 044-43237175.
bwstructuraldesign@gmail.com.

ISSUED FOR:- ☑ APPROVAL ONLY



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5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION
F	FOOTING
SF	STEP FOOTING
RF	RAFT FOOTING

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023
DRAWING BY:	TSS
DESIGN BY:	NTV
PROJECT NO:	ST-2023/02/35/01/08/01

ST-02

TITLE:-
FOOTING MARKING LAYOUT

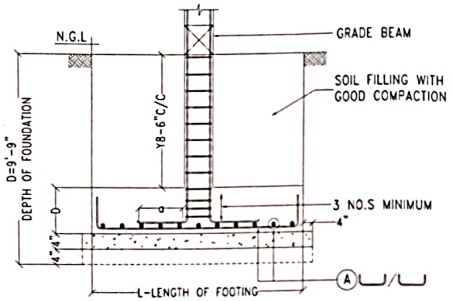
REVISION:- R0

DIRECTION:- N W E S

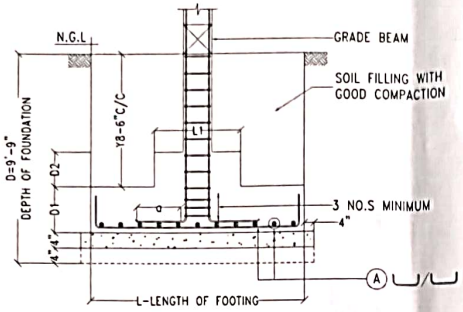
N.TAMILVANAN, M.E.(STRUCT.)
Registration Structural Engineer GRADE-I (SE)
(CMDA) REG No.SE/GR I/29/14,2005
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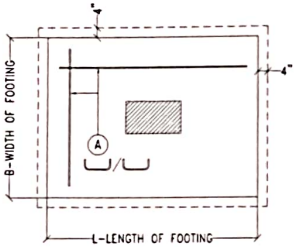
ISSUED FOR:- ✓ APPROVAL ONLY



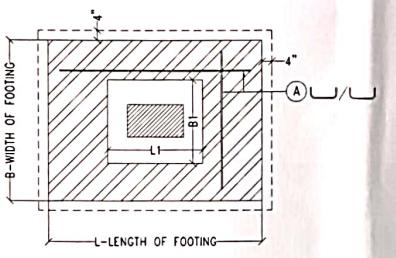
FOOTING (F) CROSS-SECTION



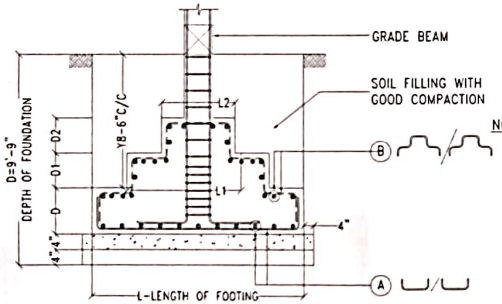
STEP FOOTING (SF1) CROSS-SECTION



FOOTING (F)-PLAN



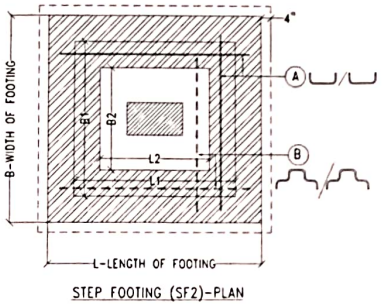
STEP FOOTING (SF1)-PLAN



STEP FOOTING (SF2) CROSS-SECTION

NOTE;

a - MINIMUM= 1'-3"



STEP FOOTING (SF2)-PLAN

FOOTING (F)-SCHEDULE:-

FOOTING	SIZE OF FOOTING L x B	THICKNESS D	NO.S	BOTTOM REINFORCEMENT (A)
F1	6'-0"x6'-0"	1'-6"	07	Y12-4"C/C

TOTAL - 07

RAFT FOOTING (RF)-SCHEDULE:-

FOOTING	THICKNESS D	NO.S	BOTTOM REINFORCEMENT (A)	TOP REINFORCEMENT (B)
RF1	1'-6"	01	Y16-4"C/C	Y16-4"C/C

TOTAL - 01

STEP FOOTING (SF1)-SCHEDULE:-

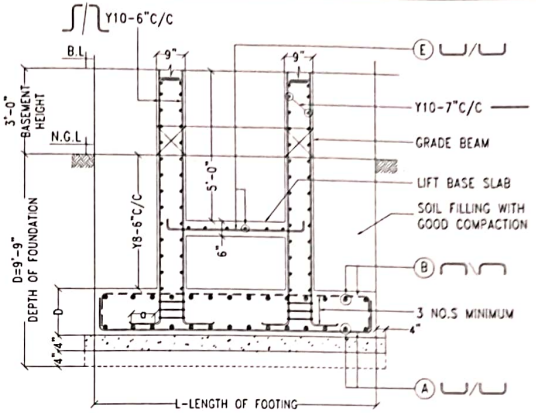
FOOTING	SIZE OF FOOTING L x B	SIZE OF FOOTING L1 x B1	THICKNESS D1	THICKNESS D2	NO.S	BOTTOM REINFORCEMENT (A)
SF1	8'-0"x8'-0"	5'-6"x5'-6"	1'-0"	1'-0"	09	Y16-4"C/C

TOTAL - 09

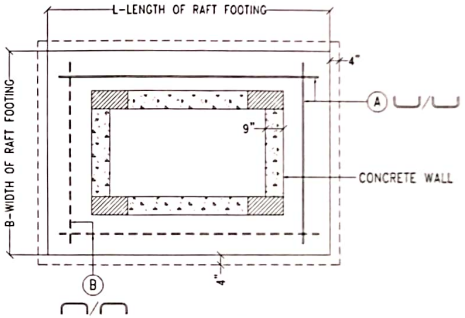
STEP FOOTING (SF)-SCHEDULE:-

FOOTING	SIZE OF FOOTING L x B	SIZE OF FOOTING L1 x B1	SIZE OF FOOTING L2 x B2	THICKNESS D1	THICKNESS D2	THICKNESS D3	NO.S	BOTTOM REINFORCEMENT (A)	TOP REINFORCEMENT (B)
SF1	12'-0"x12'-0"	9'-0"x9'-0"	6'-0"x6'-0"	1'-0"	1'-0"	1'-0"	03	Y16-4"C/C	Y16-4"C/C

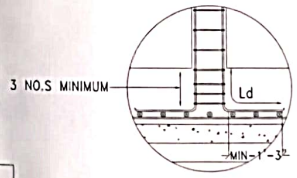
TOTAL - 03



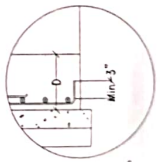
RAFT FOOTING (RF) CROSS-SECTION



RAFT FOOTING (RF)-PLAN



DEVELOPEMENT LENGTH



AT END ANCHORAGE

AT END ANCHORAGE

N.TAMILVANAN, M.E.(STRUCT.,)
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PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023
DRAWING BY:	TSS
DESIGN BY:	NTV
PROJECT NO:	ST-2023/02/35/01/08/01

ST-02A

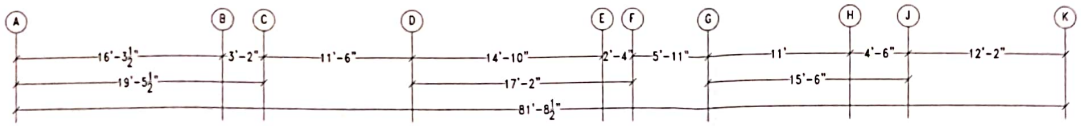
TITLE:-
FOOTING REINFORCEMENT DETAIL

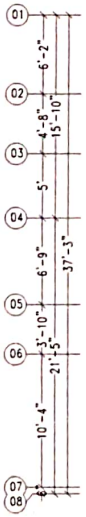
REVISION:- R0

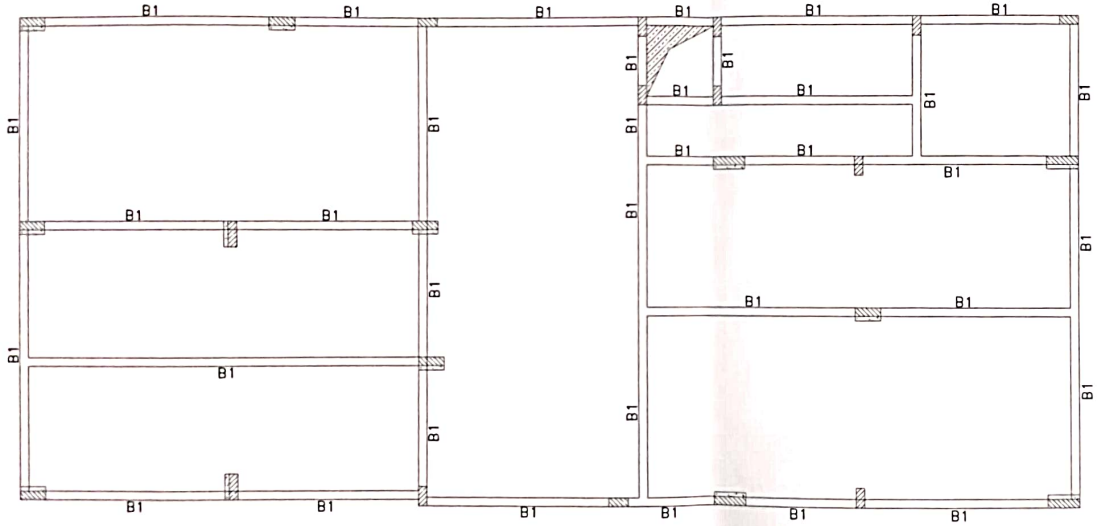
DIRECTION:- N W E S

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CMDA, CORPORATION & DTCP
Registered Structural Engineer GRADE-1(SE)
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181/64,GANDHI ROAD, VELACHERY, CHENNAI-42.
9677044466, 9677044515, 044-43237175.
bwstructuraldesign@gmail.com,

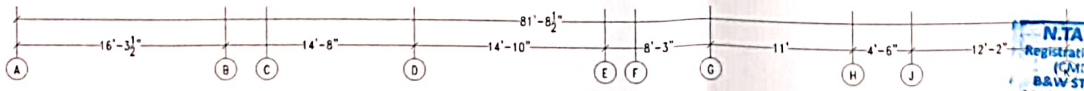
ISSUED FOR:- ✓ APPROVAL ONLY











N.TAMILVANAN, M.E.(STRUCT.)
Registration Structural Engineer GRADE-I (SE)
(CMDA) REG.No.SE/GR I/14/12/105
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181/64, Gandhi Road, Velachery, Chennai-42.
Ph : 9677044466, 044-43237175
bwstructuraldesign@gmail.com

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN).
STEEL - FE 500.

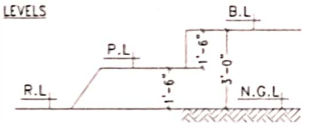
3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
B	BEAM	
TB	TIE BEAM	
	LIFT OPENING	

LEVELS



PROJECT:-

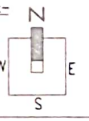
THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-03
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
GRADE BEAM LAYOUT

REVISION:-
R0

DIRECTION:-

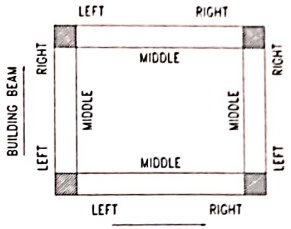


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ISSUED FOR:- ✓ APPROVAL ONLY

GRADE BEAM REINFORCEMENT SCHEDULE:-

BEAM SIZE B&D	BEAM @ LEFT CANTILEVER	BEAM @ LEFT	BEAM @ MIDDLE	BEAM @ RIGHT	BEAM @ RIGHT CANTILEVER
0'-9"X2'-0"					
B1	- - - -	3-Y12(T) 2-Y12(C) Y8-5"C/C 2-Y12(T) 3-Y12(T)	3-Y12(T) Y8-7"C/C 2-Y12(T) 3-Y12(T)	3-Y12(T) 2-Y12(C) Y8-5"C/C 2-Y12(T) 3-Y12(T)	- - - -



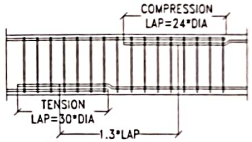
DIRECTION OF BEAM ARRANGEMENT

BASEMENT LEVEL BEAM REINFORCEMENT SCHEDULE:-

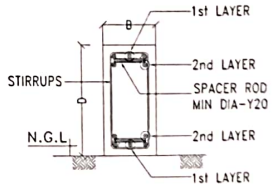
BEAM SIZE B&D	BEAM DETAILS
0'-9"x0'-6"	3-Y10(T) Y8-6"C/C 3-Y10(T)
TB	



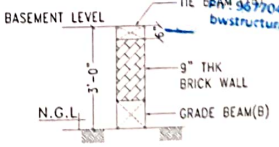
ANCHORING ENDS OF STIRRUPS



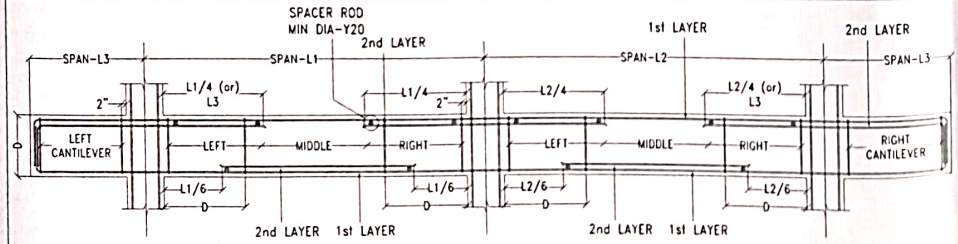
BEAM REINFORCEMENT LAPPING



TYPICAL CROSS SECTION BEAM



BASEMENT LEVEL TIE BEAM



TYPICAL LONGITUDINAL BEAM SECTION DETAILS

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-03A
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:- GRADE BEAM REINFORCEMENT DETAILS

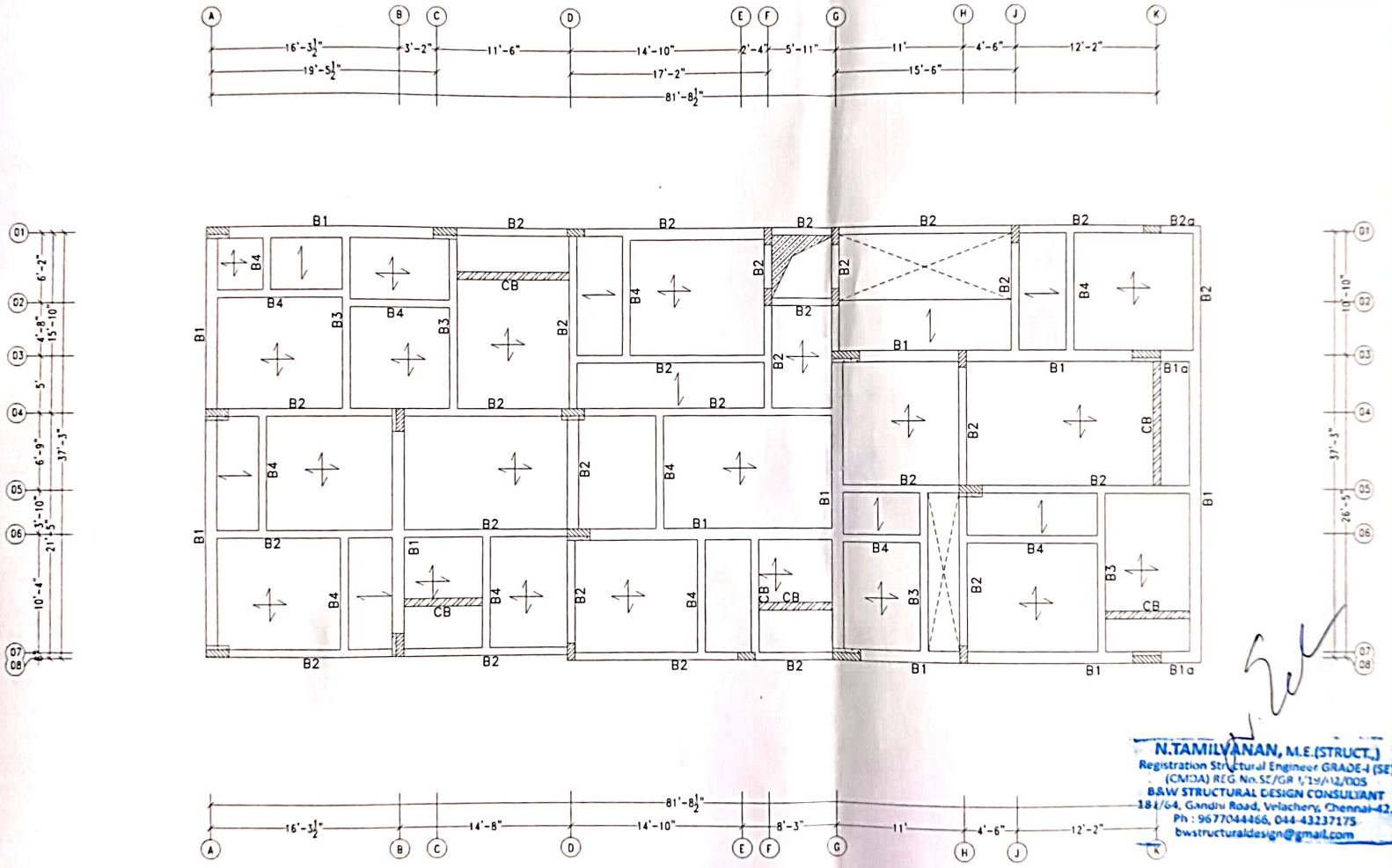
REVISION:- R0

DIRECTION:- N W E S

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ISSUED FOR:- ✓ APPROVAL ONLY

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NOTE	DESCRIPTION	SYMBOL
B	BEAM	
CB	CONCEALED BEAM	

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-04
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
GROUND FLOOR ROOF BEAM LAYOUT & SLAB REINFORCEMENT DETAILS

REVISION:- R0

DIRECTION:- N W E S

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9677044466, 9677044515, 044-43237175.
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ISSUED FOR:- ✓ APPROVAL ONLY

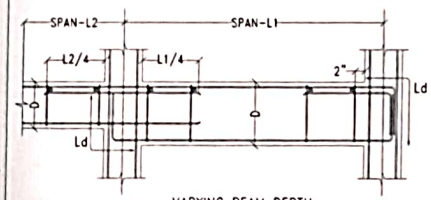
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(CMDA) REG No.SE/GR I/19/A12/005
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Ph : 9677044466, 044-43237175
bwstructuraldesign@gmail.com

GROUND FLOOR ROOF BEAM REINFORCEMENT SCHEDULE:-

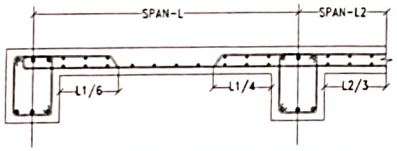
BEAM SIZE B&D	BEAM @ LEFT CANTILEVER	BEAM @ LEFT	BEAM @ MIDDLE	BEAM @ RIGHT	BEAM @ RIGHT CANTILEVER
1'-0"X2'-6"					
B1	- - - -	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T)	3-Y25(T), Y8-7"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T) B1a
0'-9"X2'-0"					
B2	- - - -	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y25(T), 3-Y25(T)	3-Y25(T), Y8-7"C/C, 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y25(T), 3-Y25(T) B2a
0'-9"X1'-6"					
B3	- - - -	3-Y16(T), 2-Y16(C), Y8-5"C/C, 2-Y16(T), 3-Y16(T)	3-Y16(T), Y8-7"C/C, 2-Y16(T), 3-Y16(T)	3-Y16(T), 2-Y16(C), Y8-5"C/C, 2-Y16(T), 3-Y16(T)	- - - -
0'-9"X1'-3"					
B4	- - - -	3-Y16(T), Y8-5"C/C, 3-Y16(T)	3-Y16(T), Y8-7"C/C, 3-Y16(T)	3-Y16(T), Y8-5"C/C, 3-Y16(T)	- - - -

FIRST, SECOND, THIRD, FOURTH & TERRACE FLOOR ROOF BEAM REINFORCEMENT SCHEDULE:-

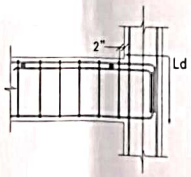
BEAM SIZE B&D	BEAM @ LEFT CANTILEVER	BEAM @ LEFT	BEAM @ MIDDLE	BEAM @ RIGHT	BEAM @ RIGHT CANTILEVER
0'-9"X2'-6"					
B1	- - - -	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T)	3-Y25(T), Y8-7"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y10(T), 2-Y25(T), 3-Y25(T) B1a
0'-9"X2'-0"					
B2	- - - -	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y25(T), 3-Y25(T)	3-Y25(T), Y8-7"C/C, 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y25(T), 3-Y25(T)	3-Y25(T), 2-Y25(C), Y8-5"C/C, 2-Y25(T), 3-Y25(T) B2a
0'-9"X1'-6"					
B3	- - - -	3-Y16(T), 2-Y16(C), Y8-5"C/C, 2-Y16(T), 3-Y16(T)	3-Y16(T), Y8-7"C/C, 2-Y16(T), 3-Y16(T)	3-Y16(T), 2-Y16(C), Y8-5"C/C, 2-Y16(T), 3-Y16(T)	- - - -
0'-9"X1'-3"					
B4	- - - -	3-Y16(T), Y8-5"C/C, 3-Y16(T)	3-Y16(T), Y8-7"C/C, 3-Y16(T)	3-Y16(T), Y8-5"C/C, 3-Y16(T)	- - - -



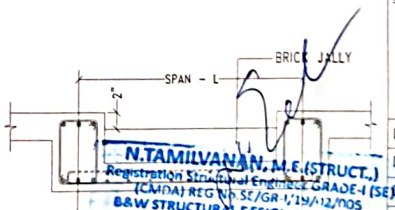
VARYING BEAM DEPTH

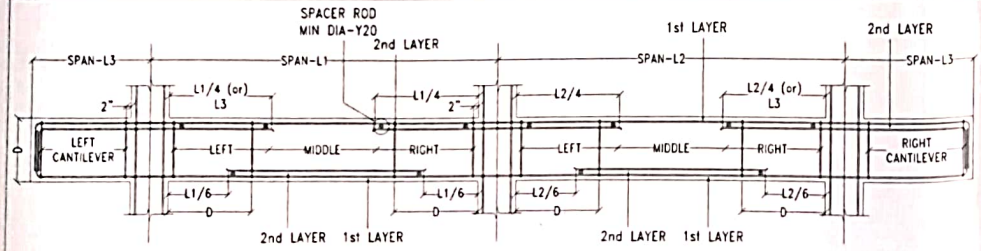


TYPICAL ROOF SLAB REINFORCEMENT DETAILS

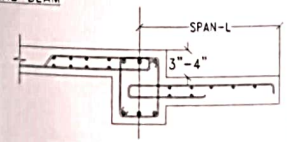


ANCHOR REINFORCEMENT DETAILS FOR END BEAM

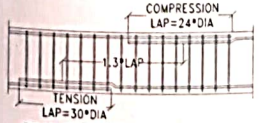




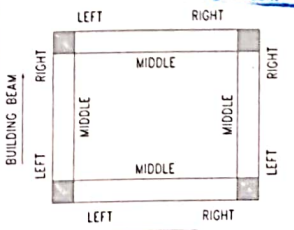
TYPICAL LONGITUDINAL BEAM SECTION DETAILS



BALCONY SUNKEN DETAILS



BEAM REINFORCEMENT LAPPING



DIRECTION OF BEAM ARRANGEMENT

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

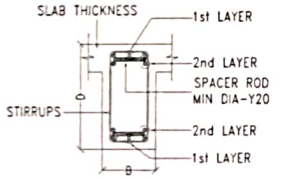
1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.



B(TYP.) C/S ROOF BEAM

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-04A
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:- GROUND, FIRST, SECOND, THIRD, FOURTH & TERRACE FLOOR ROOF BEAM REINFORCEMENT DETAILS

REVISION:- R0

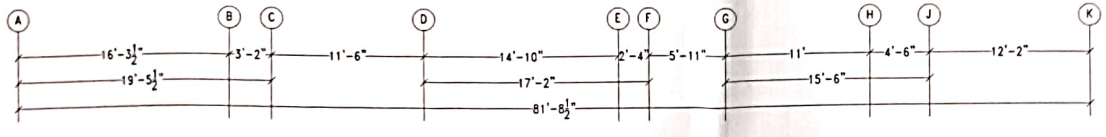
DIRECTION:- N, W, E, S

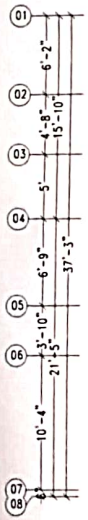
N.TAMILVANAN M.E(STRUCT.)
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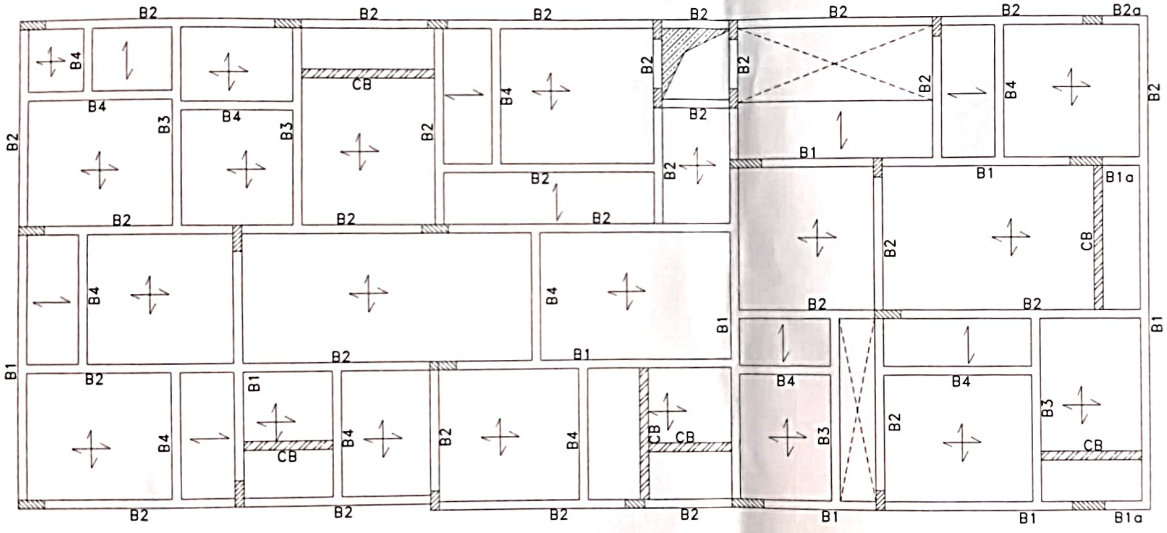
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(CMDA) REG NO SE/GR-I/19/12/1105
B&W STRUCTURAL DESIGN CONSULTANT
181/64, Gandhi Road, Velachery, Chennai-42.
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bwstructuraldesign@gmail.com

ISSUED FOR:- ✓ APPROVAL ONLY

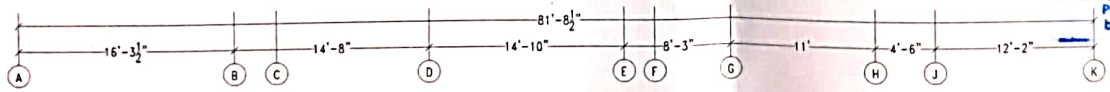
TWO WAY-6" - SHORTER DIRECTION - Y10-6"C/C
TWO WAY-6" - LONGER DIRECTION - Y10-6"C/C
ONE WAY-6" - SHORTER DIRECTION - Y10-6"C/C
ONE WAY-6" - DISTRIBUTOR - Y10-6"C/C
CANTILVER-6" - TOP REINFORCEMENT - Y10-6"C/C











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ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2),
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
B	BEAM	
CB	CONCEALED BEAM	

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-05
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

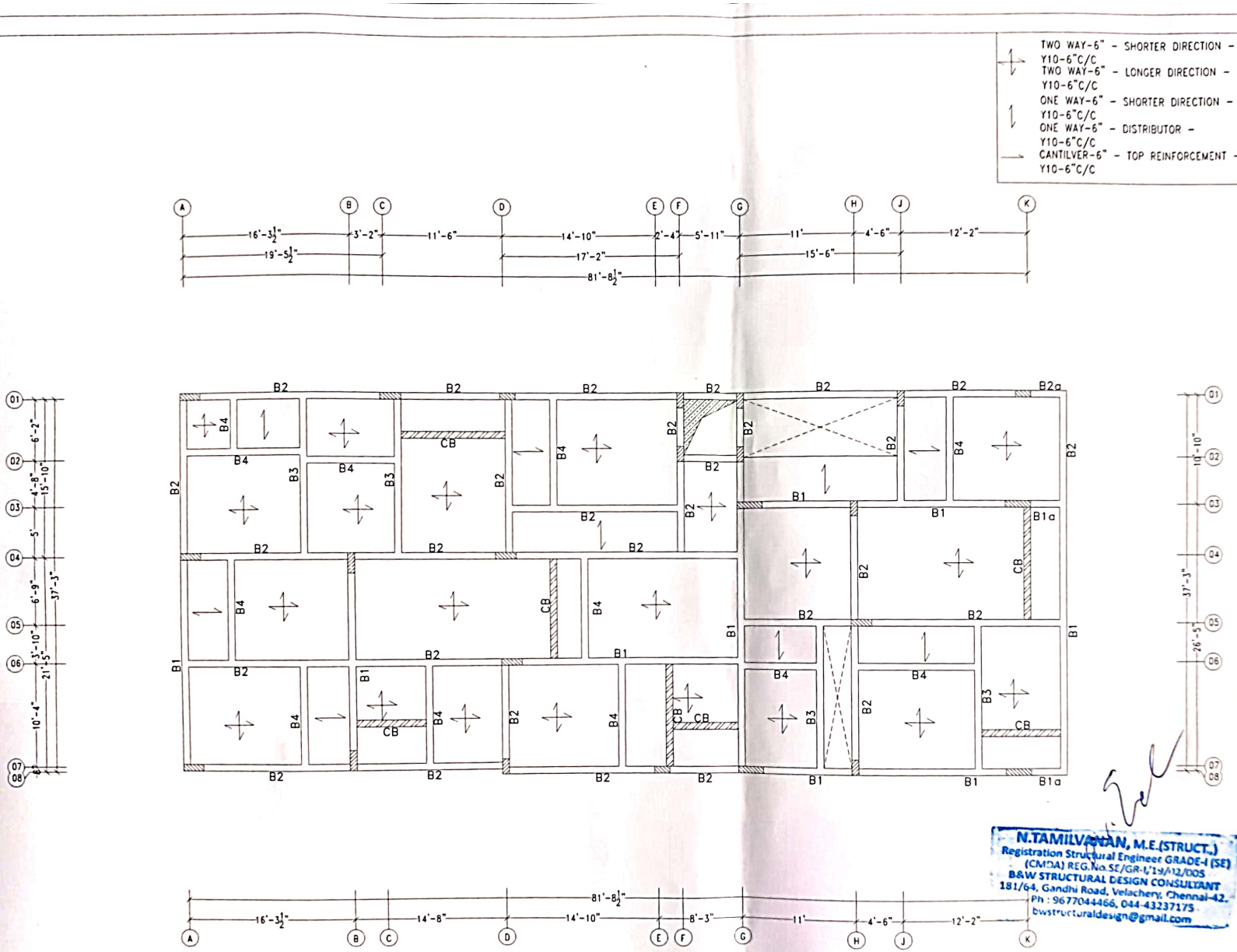
TITLE:-
FIRST FLOOR ROOF BEAM LAYOUT & SLAB REINFORCEMENT DETAILS

REVISION:- R0

DIRECTION:- N W E S

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bwstructuraldesign@gmail.com.

ISSUED FOR:- ✓ APPROVAL ONLY



ISSUED FOR:- ☑ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
B	BEAM	
CB	CONCEALED BEAM	

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-06
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
SECOND FLOOR ROOF BEAM LAYOUT & SLAB REINFORCEMENT DETAILS

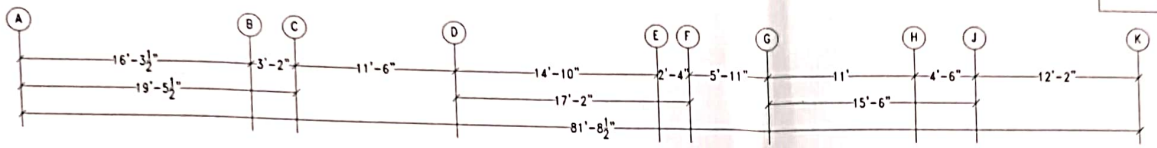
REVISION:- R0

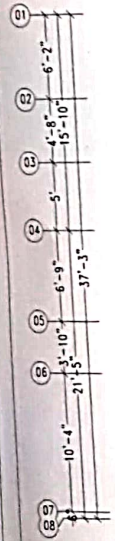
DIRECTION:- N W E S

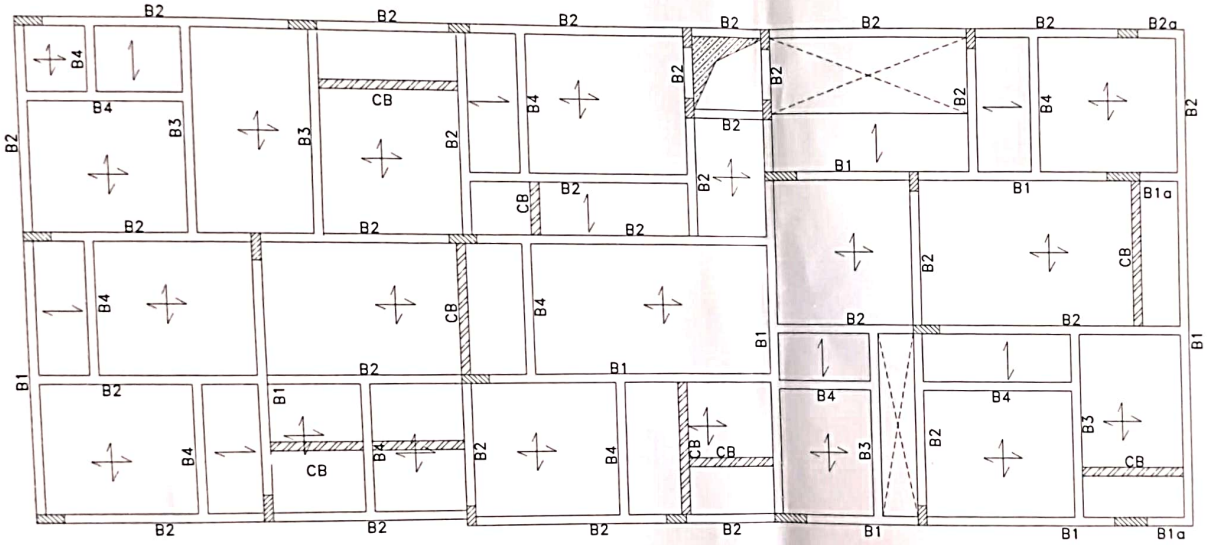
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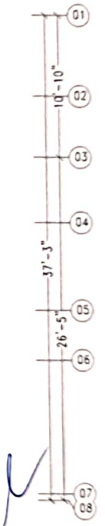
ISSUED FOR:- ☑ APPROVAL ONLY

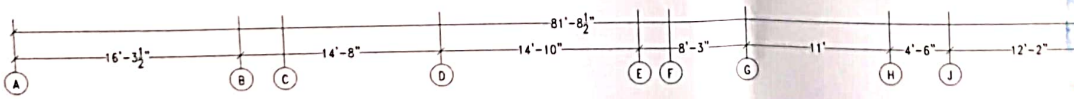
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TWO WAY-6" - SHORTER DIRECTION - Y10-6"C/C
TWO WAY-6" - LONGER DIRECTION - Y10-6"C/C
ONE WAY-6" - SHORTER DIRECTION - Y10-6"C/C
ONE WAY-6" - DISTRIBUTOR - Y10-6"C/C
CANTILVER-6" - TOP REINFORCEMENT - Y10-6"C/C

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
B	BEAM	
CB	CONCEALED BEAM	

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-07
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
THIRD FLOOR ROOF BEAM LAYOUT & SLAB REINFORCEMENT DETAILS

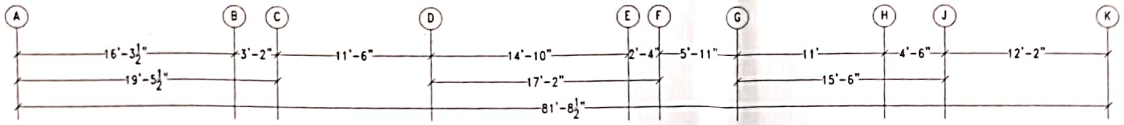
REVISION:- R0

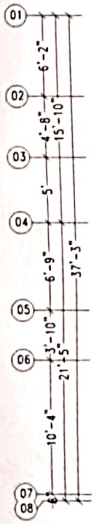
DIRECTION:- N W E S

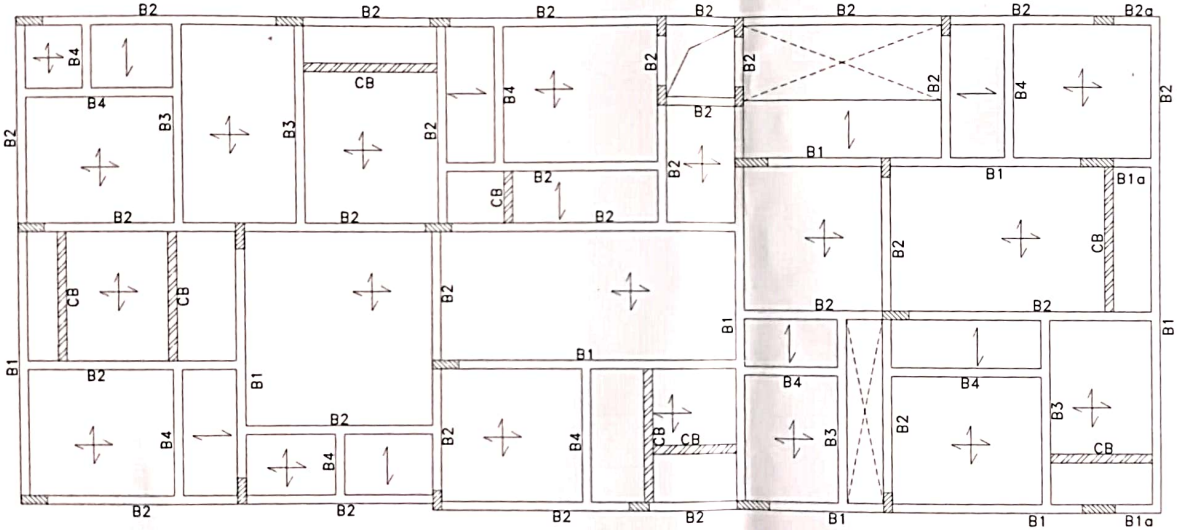
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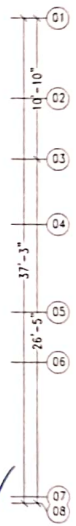
ISSUED FOR:- ✓ APPROVAL ONLY

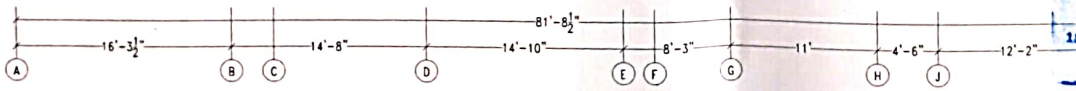
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TWO WAY-6" - SHORTER DIRECTION - Y10-6"C/C
TWO WAY-6" - LONGER DIRECTION - Y10-6"C/C
ONE WAY-6" - SHORTER DIRECTION - Y10-6"C/C
ONE WAY-6" - DISTRIBUTOR - Y10-6"C/C
CANTILVER-6" - TOP REINFORCEMENT - Y10-6"C/C

ISSUED FOR:- ✓ APPROVAL ONLY

GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN),
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
B	BEAM	
CB	CONCEALED BEAM	

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-08
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
FOURTH FLOOR FLOOR ROOF BEAM LAYOUT & SLAB REINFORCEMENT DETAILS

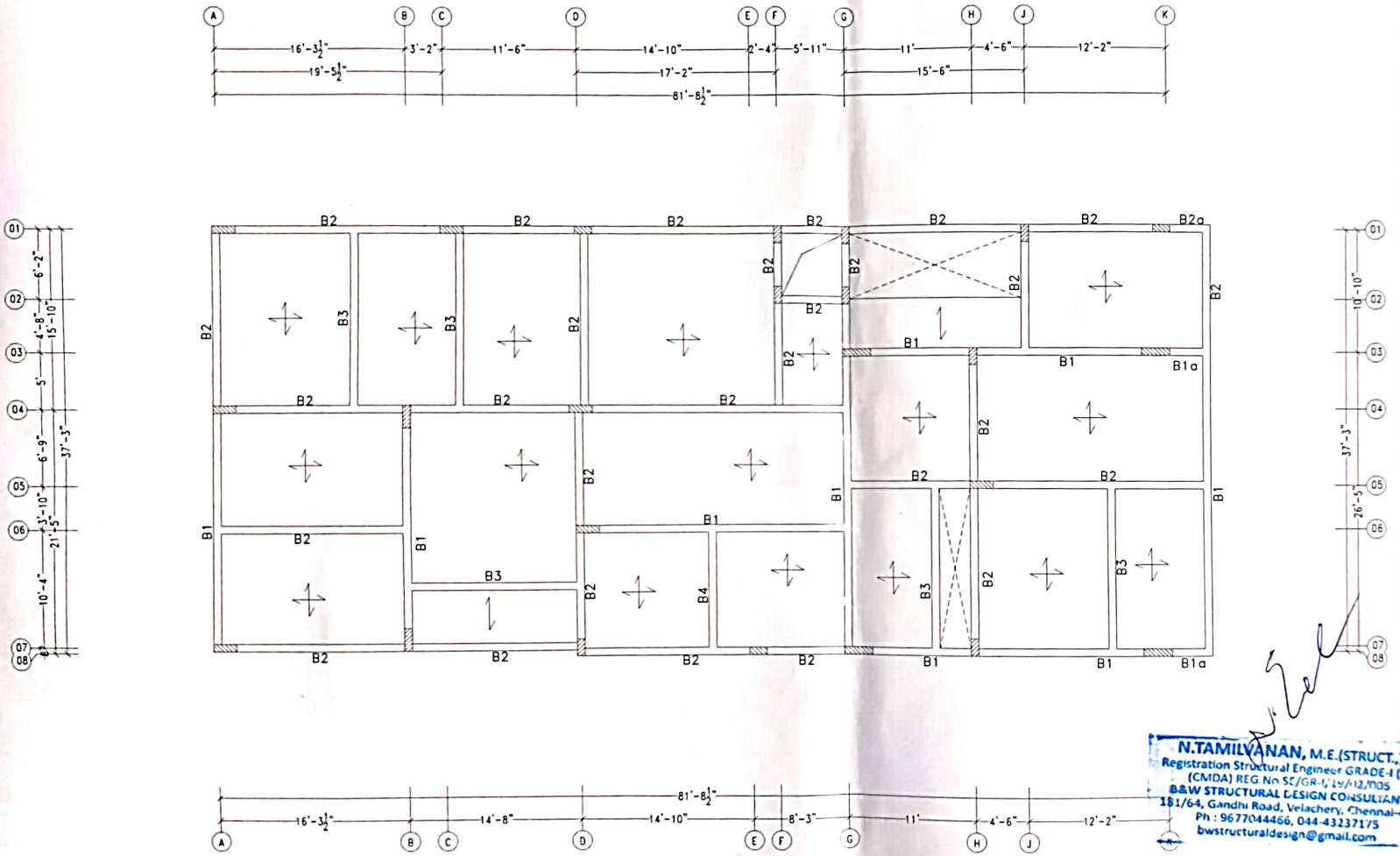
REVISION:- R0

DIRECTION:- N W E S

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GENERAL TECHNICAL NOTES:-

1.0 ALL DIMENSIONS ARE IN FEET & INCHES
LEVELS ARE IN FEET & INCHES.

2.0 GRADE:-
ALL CONCRETE - M25(1:1:2).
RMC - M30 (AS PER MIX DESIGN).
STEEL - FE 500.

3.0 COVER:-
FOOTING-2", COLUMN-1.5", BEAM-1", SLAB-¾",
RC WALL-1.5", WAIST SLAB-¾".

4.0 DESIGNED:-
BUILDING DESIGN - S+5 ONLY.
STRUCTURAL DETAILED DRAWING - S+5 ONLY.

5.0 SOIL TEST:-
SOIL TEST REPORT NO: VCE/22/GIR-201
SBC - 280 kN/M2 AT 9'-9" FROM NGL.

NOTE	DESCRIPTION	SYMBOL
B	BEAM	
CB	CONCEALED BEAM	

PROJECT:-

THE PROPOSED CONSTRUCTION OF (STILT+5) RESIDENTIAL BUILDING AT BHARATH FLATS, 14/12, 44TH STREET, NANGANALLUR, CHENNAI.

DATE:	05-04-2023	ST-09
DRAWING BY:	TSS	
DESIGN BY:	NTV	
PROJECT NO:	ST-2023/02/35/01/08/01	

TITLE:-
TERRACE FLOOR BEAM LAYOUT & SLAB REINFORCEMENT DETAILS

REVISION:- R0

DIRECTION:- N W E S

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our services doesn't just end there

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Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.

Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.

Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management

Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.



empowering your real estate decisions with smart tools

Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter

Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer

Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator

Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

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

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