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Official Property Record

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```
****************************************************
*                                                  *
*           STAAD.Pro 2024                         *
*           Version  24.00.02.354                  *
*           Proprietary Program of                 *
*           Bentley Systems, Inc.                  *
*           Date=    APR  2, 2025                  *
*           Time=    18:20:48                      *
*                                                  *
*  Licensed to: C.Kannan                           *
****************************************************
```

```
     1. STAAD SPACE
INPUT FILE: D:\LOGESH\STABILITY CERTIFICATE\CREATIVE - POONAMALEE\CREATIVE - POONAMALEE_T[1]_02.04.202.. .STD
     2. START JOB INFORMATION
     3. ENGINEER DATE 02-APR-25
     4. JOB NAME PROPOSED CONSTRUCTION OF GROUND FLOOR (PART) & STILT FLOOR (PART) -
     5. +3 FLOORS COMMERCIAL BUILDING- SHOWROOM (HEIGHT 15.69M) AT POONAMALLEE HIGH -
     6. ROAD AND KANNAGI STREET ,SENEERKUPPAM, POONAMALLEE, CHENNAI COMPRISED IN OLD -
     7. S.NO.107/2 AND NEW S.NO.107/2B2 OF SENEEERKUPPAM VILLAGE WITHIN THE LIMITS -
     8. OF POONAMALLEE PANCHAYAT UNION
     9. ENGINEER NAME KANNAN
    10. CHECKER NAME KANNAN
    11. APPROVED NAME KANNAN
    12. CHECKER DATE 4/2/2025
    13. APPROVED DATE 4/2/2025
    14. END JOB INFORMATION
    15. INPUT WIDTH 79
    16. UNIT METER KN
    17. JOINT COORDINATES
    18. 1 0 0 0; 2 10.15 0 0; 3 0 3 0; 4 10.15 3 0; 5 0 6 0; 6 10.15 6 0; 7 0 9 0
    19. 8 10.15 9 0; 9 0 12 0; 10 10.15 12 0; 11 0 -3 0; 12 10.15 -3 0
    20. MEMBER INCIDENCES
    21. 1 1 2; 2 1 3; 3 2 4; 4 3 4; 5 3 5; 6 4 6; 7 5 6; 8 5 7; 9 6 8; 10 7 8; 11 7 9
    22. 12 8 10; 13 9 10; 14 11 1; 15 12 2
    23. DEFINE MATERIAL START
    24. ISOTROPIC CONCRETE
    25. E 2.17185E+07
    26. POISSON 0.17
    27. DENSITY 23.5616
    28. ALPHA 1E-05
    29. DAMP 0.05
    30. G 9.28139E+06
    31. TYPE CONCRETE
    32. STRENGTH FCU 27579
    33. END DEFINE MATERIAL
    34. MEMBER PROPERTY
    35. 1 4 7 10 13 PRIS YD 0.45 ZD 0.23
    36. 2 3 5 6 8 9 11 12 14 15 PRIS YD 0.45 ZD 0.23
    37. CONSTANTS
    38. MATERIAL CONCRETE ALL
```

C. KANNAN, B.E., M.E, (Structure)
Structural Engineer,
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

```
STAAD SPACE                                                    -- PAGE NO.    2

 39. SUPPORTS
 40. 11 12 FIXED
 41. DEFINE IS1893 2016 LOAD
 42. ZONE 0.16 RF 5 I 1.2 SS 1 ST 1 DM 0.05 DT 3
 43. SELFWEIGHT 1
 44. MEMBER WEIGHT
 45. 1 4 7 10 13 UNI 12 0 0
 46. 1 4 7 10 13 UNI 36 0 0
 47. DEFINE WIND LOAD

*** NOTE: If any floor diaphragm is present in the model Wind Load definition
          should be defined after Floor Diaphragm definition. Otherwise wind
          load generation may be unsuccessful during analysis.

 48. TYPE 1 WIND 1
 49. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
 50. CUSTOM:PARAMS
 51. !> END GENERATED DATA BLOCK
 52. INT 1.38 1.45 HEIG  10  15
 53. LOAD 1 LOADTYPE NONE  TITLE EQ +X
 54. 1893 LOAD X 1
 55. LOAD 2 LOADTYPE NONE  TITLE EQ -X
 56. 1893 LOAD X -1.
 57. LOAD 3 LOADTYPE NONE  TITLE EQ +Z
 58. 1893 LOAD Z 1
 59. LOAD 4 LOADTYPE NONE  TITLE EQ -Z
 60. 1893 LOAD Z -1.
 61. LOAD 5 LOADTYPE NONE  TITLE WIND +X
 62. WIND LOAD X 1 TYPE 1
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
 63. LOAD 6 LOADTYPE NONE  TITLE WIND -X
 64. WIND LOAD -X 1 TYPE 1
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
 65. LOAD 7 LOADTYPE NONE  TITLE WIND +Z
 66. WIND LOAD Z 1 TYPE 1
```

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```
67. LOAD 8 LOADTYPE NONE  TITLE WIND -Z
68. WIND LOAD -Z 1 TYPE 1
69. LOAD 9 LOADTYPE NONE  TITLE LL
70. MEMBER LOAD
71. 1 4 7 10 13 UNI GY -12
72. LOAD 10 LOADTYPE NONE  TITLE DL
73. MEMBER LOAD
74. 1 4 7 10 13 UNI GY -36
75. SELFWEIGHT Y -1
76. LOAD COMB 11 1.5(DL+IL)
77. 9 1.5 10 1.5
78. LOAD COMB 12 1.2(DL+IL+ELX)
79. 9 1.5 10 1.2 1 1.2
80. LOAD COMB 13 1.2(DL+IL-ELX)
81. 9 1.2 10 1.2 2 1.2
82. LOAD COMB 14 1.2(DL+IL+ELZ)
83. 9 1.2 10 1.2 3 1.2
84. LOAD COMB 15 1.2(DL+IL-ELZ)
85. 9 1.2 10 1.2 4 1.2
86. LOAD COMB 16 1.2(DL+IL+WLX)
87. 9 1.2 10 1.2 5 1.2
88. LOAD COMB 17 1.2(DL+IL-WLX)
89. 10 1.2 6 1.2
90. LOAD COMB 18 1.2(DL+IL+WLZ)
91. 9 1.2 10 1.2 7 1.2
92. LOAD COMB 19 1.2(DL+IL-WLZ)
93. 9 1.2 10 1.2 8 1.2
94. LOAD COMB 20 1.5(DL+ELX)
95. 9 1.5 10 1.5 1 1.5
96. LOAD COMB 21 1.5(DL-ELX)
97. 9 1.5 10 1.5 2 1.5
98. LOAD COMB 22 1.5(DL+ELZ)
99. 9 1.5 10 1.5 3 1.5
100. LOAD COMB 23 1.5(DL-ELZ)
101. 10 1.5 4 1.5
102. LOAD COMB 24 1.5(DL+WLX)
103. 10 1.5 5 1.5
104. LOAD COMB 25 1.5(DL-WLX)
105. 10 1.5 6 1.5
106. LOAD COMB 26 1.5(DL+WLZ)
107. 10 1.5 7 1.5
108. LOAD COMB 27 1.5(DL-WLZ)
109. 10 1.5 8 1.5
110. LOAD COMB 28 0.9 DL+ELX
111. 10 0.9 1 1.5
112. LOAD COMB 29 0.9 DL-ELX
113. 10 0.9 2 1.5
114. LOAD COMB 30 0.9 DL+ELZ
115. 10 0.9 3 1.5
116. LOAD COMB 31 0.9 DL-ELZ
117. 10 0.9 4 1.5
118. LOAD COMB 32 0.9 DL+WLX
119. 10 0.9 5 1.5
```

C. KANNAN, B.E., M.E, (Structure)
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Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

```
120. LOAD COMB 33 0.9 DL-WLX
121. 10 0.9 6 1.5
122. LOAD COMB 34 0.9 DL+WLZ
123. 10 0.9 7 1.5
124. LOAD COMB 35 0.9 DL-WLZ
125. 10 0.9 8 1.5
126. PERFORM ANALYSIS PRINT ALL
```

P R O B L E M S T A T I S T I C S

NUMBER OF JOINTS	12	NUMBER OF MEMBERS	15
NUMBER OF PLATES	0	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	2

Using 64-bit analysis engine.

SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

```
TOTAL      PRIMARY LOAD CASES =    10, TOTAL DEGREES OF FREEDOM =      60
TOTAL LOAD COMBINATION  CASES =    25  SO FAR.
```

C. KANNAN, B.E.,M.E, (Structure)
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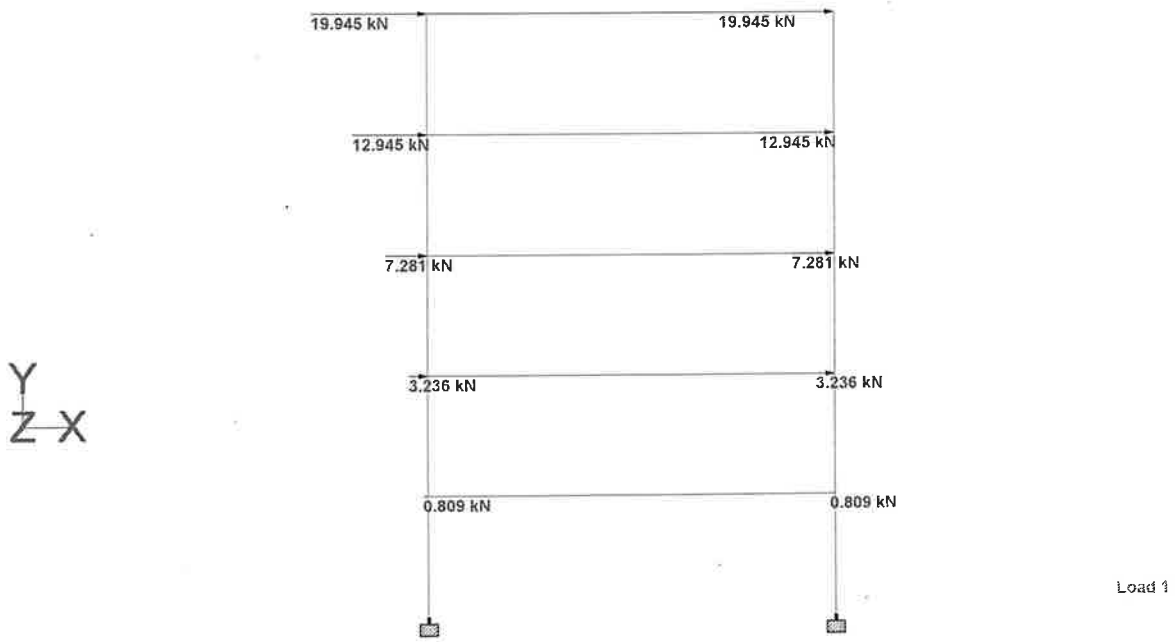
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

Bentley	Job No	Sheet No 1	Rev
Software licensed to C.Kannan CONNECTED User: Kannan Chinnasamy	Part		
Job Title Proposed Construction Of Ground Floor (Part) & Stilt Floor (Part) +3 Floors Commercial Building- Showroom (Height 15.69m) At Poonamallee High	Ref		
	By Kannan	Date 02-Apr-25	Chd Kannan
Client	File CREATIVE - POONAMAL	Date/Time 02-Apr-2025 18:20	



C. KANNAN, B.E., M.E, (Structure)
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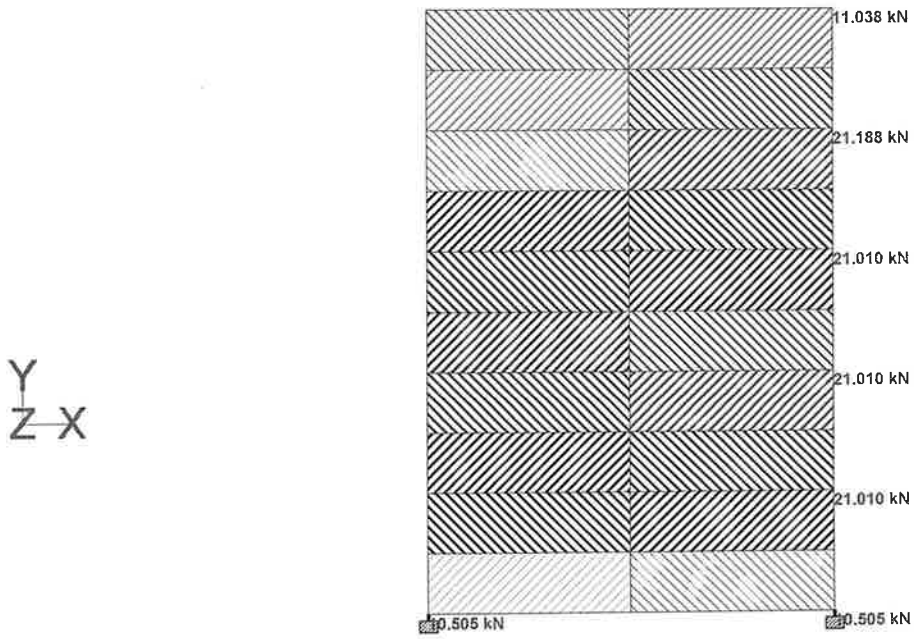
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

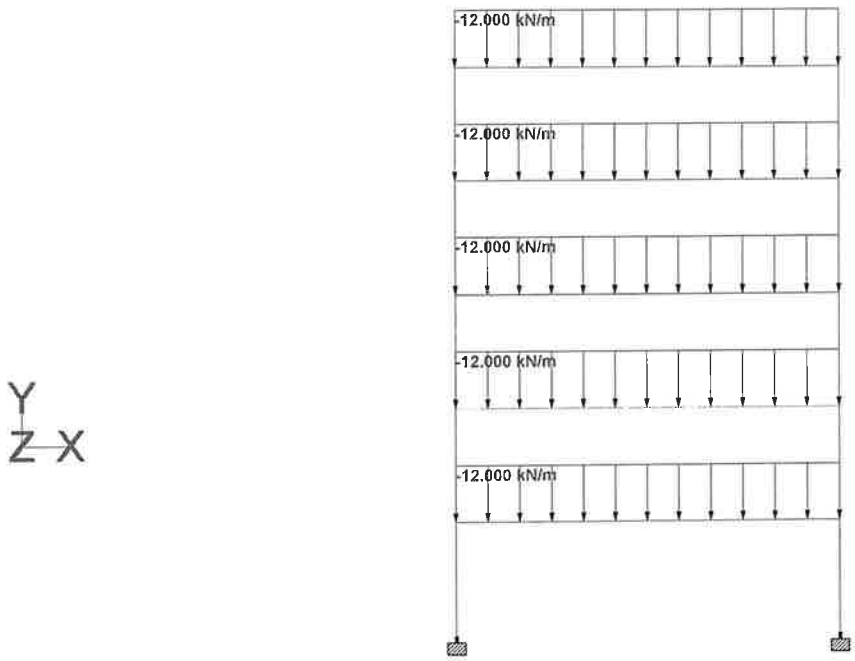
Bentley	Job No	Sheet No 1	Rev
Software licensed to C.Kannan CONNECTED User: Kannan Chinnasamy	Part		
Job Title Proposed Construction Of Ground Floor (Part) & Stilt Floor (Part) +3 Floors Commercial Building- Showroom (Height 15.69m) At Poonamallee High	Ref		
	By Kannan	Date 02-Apr-25	Chd Kannan
Client	File CREATIVE - POONAMAL	Date/Time 02-Apr-2025 18:20	



Load 7

C. KANNAN, B.E., M.E, (Structure)
Structural Engineer,
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

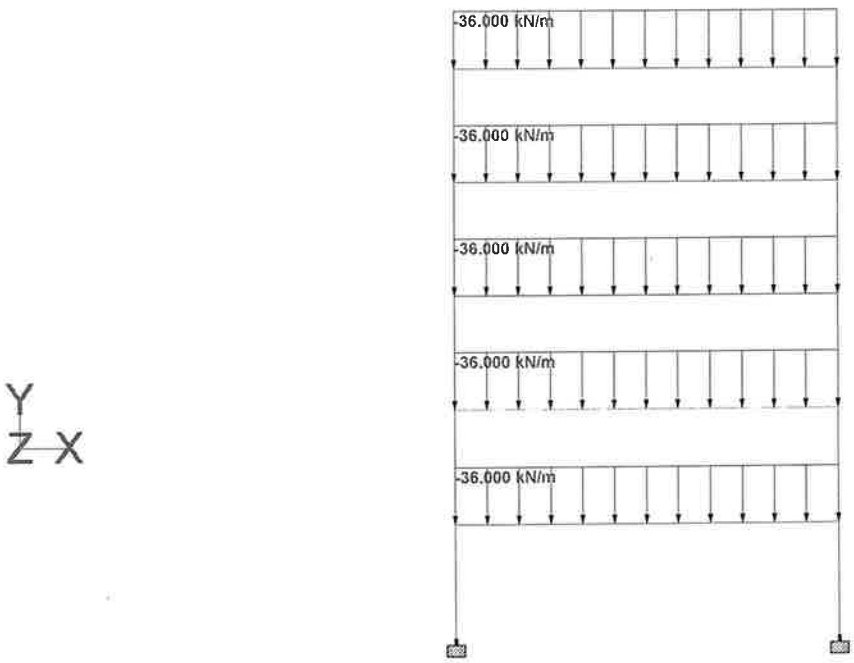
Bentley Software licensed to C.Kannan CONNECTED User: Kannan Chinnasamy	Job No	Sheet No 1	Rev
	Part		
Job Title Proposed Construction Of Ground Floor (Part) & Stilt Floor (Part) +3 Floors Commercial Building- Showroom (Height 15.69m) At Poonamallee High	Ref		
	By Kannan	Date 02-Apr-25	Chd Kannan
Client	File CREATIVE - POONAMAL	Date/Time 02-Apr-2025 18:20	



Load 9

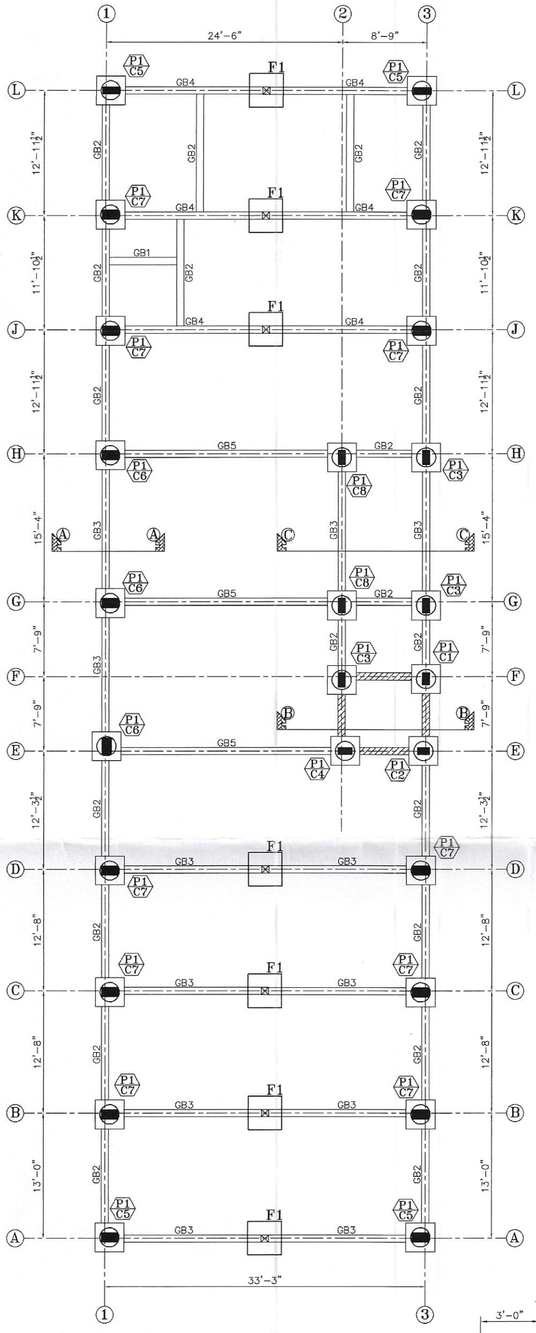
C. KANNAN, B.E., M.E., (Structure)
Structural Engineer,
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

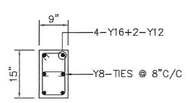
Bentley	Job No	Sheet No 1	Rev
Software licensed to C.Kannan CONNECTED User: Kannan Chinnasamy	Part		
Job Title Proposed Construction Of Ground Floor (Part) & Stilt Floor (Part) +3 Floors Commercial Building- Showroom (Height 15.69m) At Poonamallee High	Ref		
	By Kannan	Date 02-Apr-25	Chd Kannan
Client	File CREATIVE - POONAMAL	Date/Time 02-Apr-2025 18:20	



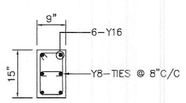
Load 10

C. KANNAN, B.E., M.E, (Structure)
Structural Engineer,
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

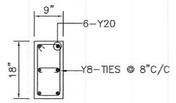




COL-C1



COL-C2



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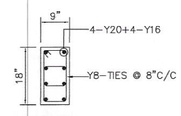

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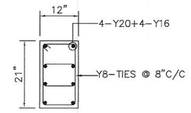

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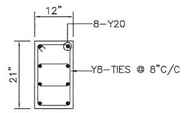

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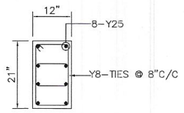
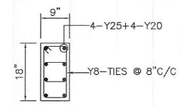
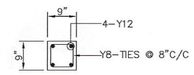


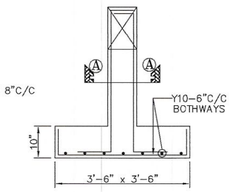
COL-C7



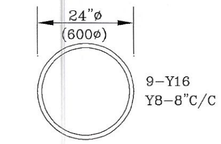
COL-C8



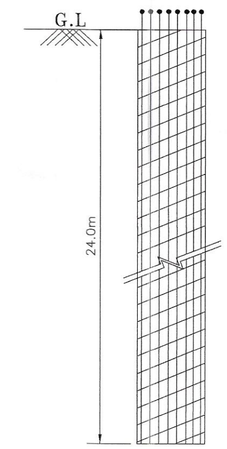
COL-F1
(SECTION A A)



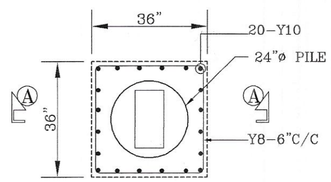
FOOTING-F1



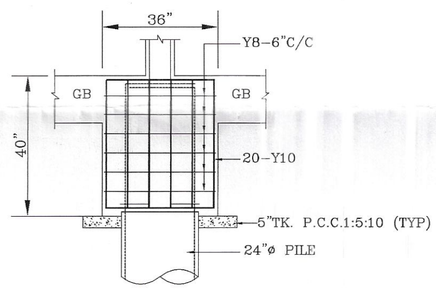
600ø PILE
(SAFE LOAD 100 TONNES)



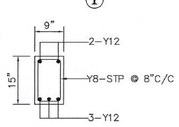
TYP. SEC. OF PILE
(BORED CAST-IN-SITU PILE)



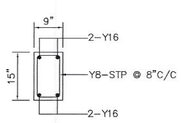
PILE -P1



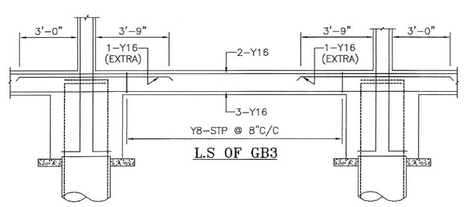
SEC A A



C.S OF GB1



C.S OF GB2



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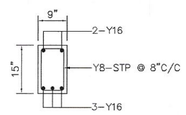
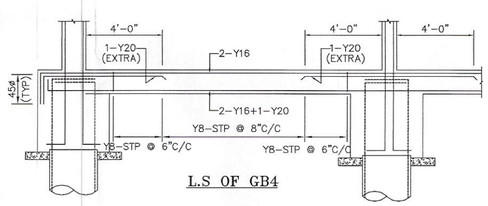


C.S OF GB3



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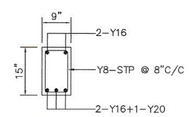
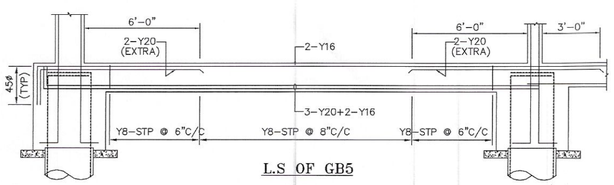


C.S OF GB4



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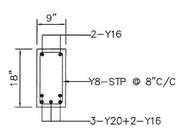
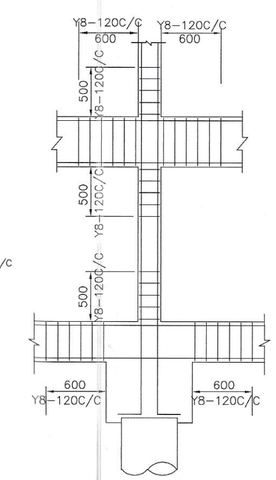


C.S OF GB5



TYP. SEC. FOR
STP. DETAILS

Notes:-

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C. items shall be M30 for column & M25 for all other R.C.C works
3. Y Denotes TOR50 Steel confirming to I.S. 1786 – 2008. Grade – Fe 500
4. Clear cover to the main steel
   50 for Footings , Raft Slabs & Raft Beams.
   40 for Columns.
   25 for Lintel & Beams.
   20 for Sunshade & Slab.
5. Lap length shall be 50 d (Max. dia) for all bars.
6. ——— Bottom Reinforcement
7. ----- Top Reinforcement
8. Provide Continuous Chairs to keep the top Reinforcement in position
9. Provide Y 8 at 200 as Distribution steel for all top Reinforcement.
10. Spacer Bar to be Provided in Between Two Layers Of Reinforcement of Same Dia at Every 1000 C/ C.
11. Not more than 40% of Reinforcement shall be Lapped at any particular junction.
12. Cantilever props should not be released until the roof is concreted.
13. Foundation is designed for Stilt plus three upper floor only.
14. For Earthquake analysis Zone III is taken as per IS : 1893-2016 code.
15. Removal of formworks :
    i) For Slabs :
    a. Slabs spanning upto 4.5 m (15'-0") – 7 days
    b. Slabs spanning over 4.5 m (15'-0") – 14 days
    ii) For Beams and Arches :
    c. Beams and Arches spanning upto 6 m (20'-0") –14days
    d. Beams and Arches spanning over 6 m (20'-0") –21days

R.NO	DATE	DESCRIPTION

PROJECT

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR (PART) & STILT FLOOR (PART)+3 FLOORS COMMERCIAL BUILDING-SHOWROOM (HEIGHT 15.69M) AT POONAMALLEE HIGH ROAD AND KANNAGI STREET , SENEERKUPPAM, POONAMALLEE, CHENNAI COMPRISED IN OLD S.NO.107/2 AND NEW S.NO.107/2B2 OF SENEEERKUPPAM VILLAGE WITHIN THE LIMITS OF POONAMALLEE PANCHAYAT UNION

FOUNDATION DETAIL

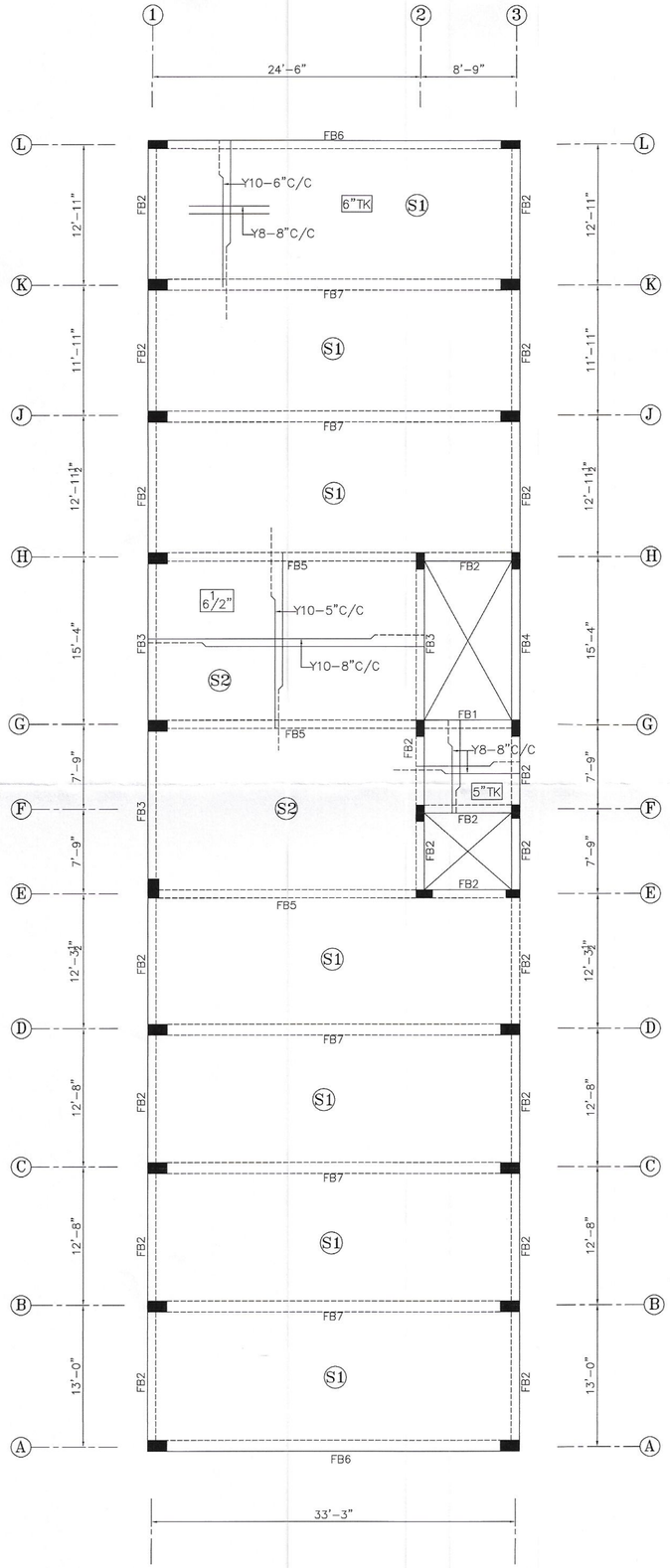
DESIGNED	SATHISH		SCALE	1 : 100
DRAWN	KK		DATE	02-04-2025

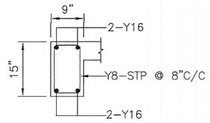
STRUCTURAL CONSULTANTS:

C. KANNAN, B.E., M.E, (Structure)
Structural Engineer,
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

C.KANNAN B.E., M.E(STRUCTURE)
DOOR NO:21, PLOT NO:257-W,
FLAT NO:2B, "UTOPIA APARTMENTS",
2nd FLOOR, 4th MAIN ROAD,
INDIRA NAGAR, CHENNAI-20.
MOBILE NO: 098412 49815.
E-MAIL:kannankds2007@gmail.com

FILE NAME : D/VETRI/FN/CREATIVE-POONAMALEE





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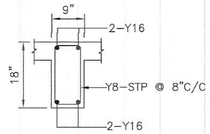

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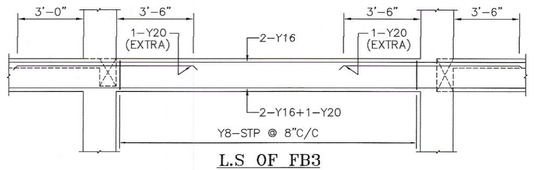

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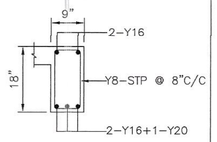

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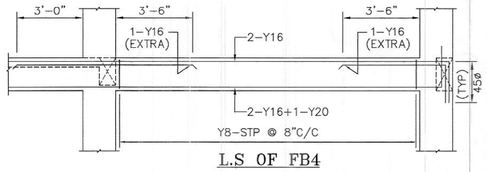

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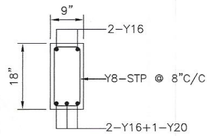

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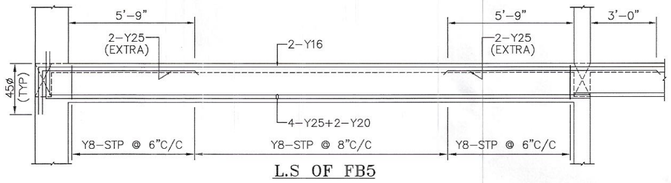

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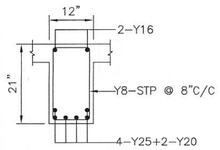

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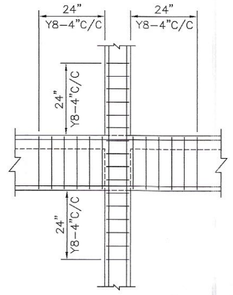
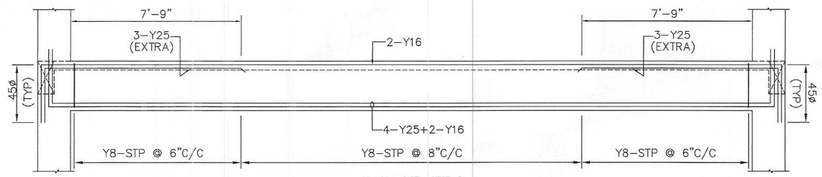


TYP. SEC. FOR STP. DETAILS



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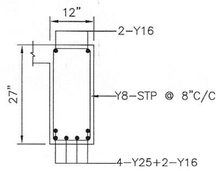

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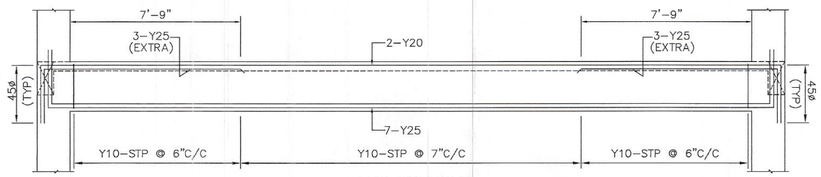

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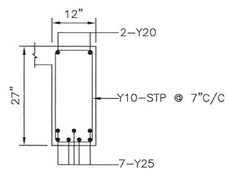


C.S OF FB7

Notes:-

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C. items shall be M30 for column & M25 for all other R.C.C works
3. Y Denotes TOR50 Steel confirming to I.S. 1786 – 2008. Grade – Fe 500
4. Clear cover to the main steel
   - 50 for Footings , Raft Slabs & Raft Beams.
   - 40 for Columns.
   - 25 for Lintel & Beams.
   - 20 for Sunshade & Slab.
5. Lap length shall be 50 d (Max. dia) for all bars.
6. ——— Bottom Reinforcement
7. ----- Top Reinforcement
8. Provide Continuous Chairs to keep the top Reinforcement in position
9. Provide Y 8 at 200 as Distribution steel for all top Reinforcement.
10. Spacer Bar to be Provided in Between Two Layers Of Reinforcement of Same Dia at Every 1000 C/ C.
11. Not more than 40% of Reinforcement shall be Lapped at any particular junction.
12. Cantilever props should not be released until the roof is concreted.
13. Foundation is designed for Stilt plus three upper floor only.
14. For Earthquake analysis Zone III is taken as per IS : 1893–2016 code.
15. Removal of formworks :
    - i) For Slabs :
    - a. Slabs spanning upto 4.5 m (15'–0") – 7 days
    - b. Slabs spanning over 4.5 m (15'–0") – 14 days
    - ii) For Beams and Arches :
    - c. Beams and Arches spanning upto 6 m (20'–0") –14days
    - d. Beams and Arches spanning over 6 m (20'–0") –21days

R.NO	DATE	DESCRIPTION

PROJECT

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR (PART) & STILT FLOOR (PART)+3 FLOORS COMMERCIAL BUILDING–SHOWROOM (HEIGHT 15.69M) AT POONAMALLEE HIGH ROAD AND KANNAGI STREET , SENEERKUPPAM, POONAMALLEE, CHENNAI COMPRISED IN OLD S.NO.107/2 AND NEW S.NO.107/2B2 OF SENEERKUPPAM VILLAGE WITHIN THE LIMITS OF POONAMALLEE PANCHAYAT UNION

TYPICAL FLOOR ROOF DETAIL

DESIGNED	SATHISH		SCALE	1 : 100
DRAWN	PREETHI		DATE	02-04-2025

STRUCTURAL CONSULTANTS:

C. KANNAN, B.E.,M.E, (Structure)
Structural Engineer,
CMDA Reg. No: SE/I/2024/2/0047
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

C.KANNAN B.E., M.E(STRUCTURE)
DOOR NO:21, PLOT NO:257–W,
FLAT NO:2B, "UTOPIA APARTMENTS",
2nd FLOOR, 4th MAIN ROAD,
INDIRA NAGAR, CHENNAI–20.
MOBILE NO: 098412 49815.
E–MAIL:kannankds2007@gmail.com

FILE NAME : D/PREETHI/ROOF/CREATIVE–POONAMALEE

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
Thalamuthu Natarajan Building, No.1, Gandhi Irwin Road, Egmore,
Chennai - 600 008
Phone : 28414855 Fax: 91-044-28548416
E-mail: mscmda@tn.gov.in
Web site: www.cmdachennai.gov.in.

PROFESSIONAL REGISTRATION CERTIFICATE

This is to certify that the Thiru / Tmt. / M/s. **C.KANNAN** has enrolled as **Registered Structural Engineer Grade-I(SE)** with Chennai Metropolitan Development Authority (CMDA) who has the qualification of **M.E Structures** and experience in the relevant field for **15** years.

He/She has been given the Registration No. **SE/I/2024/2/0047** on **28-Feb-2024** He/She shall be required to comply with the duties and responsibilities prescribed by the Government of Tamil Nadu in Part V, "Registration of Professionals", Tamil Nadu Combined Development and Building Rules, 2019 approved vide G.O.(ms) No.18 MAWS (MA1) Dept. Dated. 04.02.2019.

This Registration is valid upto **27-Feb-2029**.

Signature valid
Name :A Meganathan
Designation :Superintendent
Date :02/28/2024 12:50:37 PM

A Meganathan

Superintendent

our services doesn't just end there

Buying & Selling Services

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

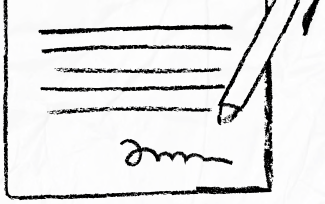
Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

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.



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