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RE REGULATORY RECORD

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DIGITALLY VERIFIED RECORD

PROPOSED CONSTRUCTION RESIDENTIAL BUILDING AT DOOR NO: 40 AND 41, 5TH TRUST CROSS STREET, MADAVELIPAKKAM, CHENNAI - 600004. COMPRISED IN R.S.NO. 4436/175 & 4436/176, BLOCK NO. 98 OF MYLAPORE VILLAGE, MYLAPORE TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION

GENERAL NOTE ON STRUCTURAL DESIGN.

1.0 GENERAL.

1.1 DESIGN BASIS

The proposed residential building consists of having stilt plus five upper floors.

The design of this building is carried out based on frame analysis using STAAD CONNECT.

1.2 CODES AND STANDARDS

All structural design is carried out conforming to the provisions of National Building Code of India and other relevant Indian Codes and Standards.

1. I.S. 456 - 2000
2. I.S. 875 - Part I to III
3. I.S.1893 - 2016

2.0 BASIC CIVIL DESIGN LOADS

2.1 DEAD LOADS & LIVE LOADS

Typical slab dead load is calculated as follows

Self weight of slab	=	3.25kN/m²
Floor finish	=	2.0kN/m²
Live load	=	2.0kN/m²
		7.25kN/m²

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.

3.0 SOIL DETAILS

Based on soil test report pile Foundation is adopted.

DESIGN METHODS

General design and detailing of concrete members/elements are done conforming to the provisions of I.S: 456 and other relevant I.S codes. Limit State method is followed for the design.

Seismic Zone III load is taken into account for the analysis. The predominant direction of vibration is horizontal. Relevant combination of forces has been taken into account.

4.1

Load Combination	Ultimate Limit Load	Serviceability Limit State
DL+LL+WL	1.2DL+1.2LL+1.2WL	DL+LL+WL
Or	Or	or
DL+LL+EL	1.2DL+1.2LL+1.2EL	DL+LL+EL

4.3 **MINIMUM COVER**

Slab	15 mm
Beam	25 mm
Columns	40 mm
Foundations	50 mm

The Structure is safe and sound when used for the purpose for which it is designed.

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```
**************************************************
*                                                *
*          STAAD.PRO 2025                        *
*          Version  25.00.00.539                 *
*          Proprietary Program of                *
*          Bentley Systems, Inc.                 *
*          Date=    SEP 25, 2025                 *
*          Time=    15:32: 7                     *
*                                                *
*  Licensed to: C.Kannan                         *
**************************************************
```

```
    1. STAAD SPACE DXF IMPORT OF DRAWING2
INPUT FILE: D:\LOGESH\STABILITY CERTIFICATE\CHAITANYA _ MADAVALI PAKKAM\CHAITANAYA_MANDAVALI PAKKAM_T[.. .STD
    2. START JOB INFORMATION
    3. ENGINEER DATE 25-SEP-25
    4. ENGINEER NAME KANNAN
    5. CHECKER NAME KANNAN
    6. APPROVED NAME KANNAN
    7. CHECKER DATE 9/25/2025
    8. APPROVED DATE 9/25/2025
    9. JOB NAME PROPOSED CONSTRUCTION RESIDENTIAL BUILDING AT DOOR NO: 40 AND 41, -
   10. 5TH TRUST CROSS STREET, MADAVELIPAKKAM, CHENNAI-600004. COMPRISED IN -
   11. R.S.NO. 4436/175 & 4436/176, BLOCK NO. 98 OF MYLAPORE VILLAGE, MYLAPORE -
   12. TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION
   13. END JOB INFORMATION
   14. INPUT WIDTH 79
   15. SET NL 250
   16. UNIT MMS KN
   17. JOINT COORDINATES
   18. 1 0 0 0; 2 0 0 -4400; 3 0 0 8000; 5 0 0 13299.7; 72 0 3000 0; 73 0 3000 -4400
   19. 74 0 3000 8000; 75 0 3000 13299.7; 140 0 6000 0; 141 0 6000 -4400
   20. 142 0 6000 8000; 143 0 6000 13299.7; 208 0 9000 0; 209 0 9000 -4400
   21. 210 0 9000 8000; 211 0 9000 13299.7; 276 0 12000 0; 277 0 12000 -4400
   22. 278 0 12000 8000; 279 0 12000 13299.7; 344 0 15000 0; 345 0 15000 -4400
   23. 346 0 15000 8000; 347 0 15000 13299.7; 412 0 18000 0; 413 0 18000 -4400
   24. 414 0 18000 8000; 415 0 18000 13299.7; 480 0 -2000 0; 481 0 -2000 -4400
   25. 482 0 -2000 8000; 483 0 -2000 13299.7
   26. MEMBER INCIDENCES
   27. 1 1 2; 2 3 1; 3 5 3; 95 72 73; 96 74 72; 97 75 74; 189 140 141; 190 142 140
   28. 191 143 142; 283 208 209; 284 210 208; 285 211 210; 377 276 277; 378 278 276
   29. 379 279 278; 471 344 345; 472 346 344; 473 347 346; 565 412 413; 566 414 412
   30. 567 415 414; 659 1 72; 660 2 73; 661 3 74; 662 5 75; 680 72 140; 681 73 141
   31. 682 74 142; 683 75 143; 701 140 208; 702 141 209; 703 142 210; 704 143 211
   32. 722 208 276; 723 209 277; 724 210 278; 725 211 279; 743 276 344; 744 277 345
   33. 745 278 346; 746 279 347; 764 344 412; 765 345 413; 766 346 414; 767 347 415
   34. 785 1 480; 786 2 481; 787 3 482; 788 5 483
   35. SUPPORTS
   36. 480 TO 483 FIXED
   37. DEFINE MATERIAL START
   38. ISOTROPIC CONCRETE
```

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```
39. E 21.7185
40. POISSON 0.17
41. DENSITY 2.35616E-08
42. ALPHA 1E-05
43. DAMP 0.05
44. G 9.28139
45. TYPE CONCRETE
46. STRENGTH FCU 0.027579
47. END DEFINE MATERIAL
48. MEMBER PROPERTY
49. 1 TO 3 95 TO 97 189 TO 191 283 TO 285 377 TO 379 471 TO 473 565 TO 566 -
50. 567 PRIS YD 500 ZD 200
51. 659 TO 662 680 TO 683 701 TO 704 722 TO 725 743 TO 746 764 TO 767 785 TO 787 -
52. 788 PRIS YD 500 ZD 200
53. CONSTANTS
54. BETA 90 MEMB 659 660 680 681 701 702 722 723 743 744 764 765 785 786
55. MATERIAL CONCRETE ALL
56. UNIT METER KN
57. DEFINE IS1893 2016 LOAD
58. ZONE 0.16 RF 5 I 1.2 SS 1 ST 1 DM 0.05 DT 2
59. SELFWEIGHT 1
60. MEMBER WEIGHT
61. 1 TO 3 95 TO 97 189 TO 191 283 TO 285 377 TO 379 471 TO 473 565 TO 566 -
62. 567 UNI 12 0 0
63. 1 TO 3 95 TO 97 189 TO 191 283 TO 285 377 TO 379 471 TO 473 565 TO 566 -
64. 567 UNI 30 0 0
65. 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.

66. TYPE 1 WIND 1
67. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
68. CUSTOM:PARAMS
69. !> END GENERATED DATA BLOCK
70. INT 1.35 1.48 1.65 HEIG  10  15  18
71. EXP 1 JOINT 1 TO 3 5 72 TO 75 140 TO 143 208 TO 211 276 TO 279 344 TO 347 -
72. 412 TO 415 480 TO 483
73. LOAD 1 LOADTYPE NONE  TITLE EQ +X
74. 1893 LOAD X 1
75. LOAD 2 LOADTYPE NONE  TITLE EQ -X
76. 1893 LOAD X -1.
77. LOAD 3 LOADTYPE NONE  TITLE EQ +Z
78. 1893 LOAD Z 1
79. LOAD 4 LOADTYPE NONE  TITLE EQ -Z
80. 1893 LOAD Z -1.
```

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  81. LOAD 5 LOADTYPE NONE  TITLE WIND +X
  82. WIND LOAD X 1 TYPE 1
  83. LOAD 6 LOADTYPE NONE  TITLE WIND -X
  84. WIND LOAD -X 1 TYPE 1
  85. LOAD 7 LOADTYPE NONE  TITLE WIND +Z
  86. WIND LOAD Z 1 TYPE 1
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
  87. LOAD 8 LOADTYPE NONE  TITLE WIND -Z
  88. WIND LOAD -Z 1 TYPE 1
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
  89. LOAD 9 LOADTYPE NONE  TITLE LL
  90. MEMBER LOAD
  91. 1 TO 3 95 TO 97 189 TO 191 283 TO 285 377 TO 379 471 TO 473 565 TO 566 -
  92. 567 UNI GY -12
  93. LOAD 10 LOADTYPE NONE  TITLE DL
  94. SELFWEIGHT Y -1
  95. MEMBER LOAD
  96. 1 TO 3 95 TO 97 189 TO 191 283 TO 285 377 TO 379 471 TO 473 565 TO 566 -
  97. 567 UNI GY -30
  98. LOAD COMB 11 1.5(DL+IL)
  99. 9 1.5 10 1.5
 100. LOAD COMB 12 1.2(DL+IL+ELX)
 101. 9 1.5 10 1.2 1 1.2
 102. LOAD COMB 13 1.2(DL+IL-ELX)
 103. 9 1.2 10 1.2 2 1.2
 104. LOAD COMB 14 1.2(DL+IL+ELZ)
 105. 9 1.2 10 1.2 3 1.2
 106. LOAD COMB 15 1.2(DL+IL-ELZ)
 107. 9 1.2 10 1.2 4 1.2
 108. LOAD COMB 16 1.2(DL+IL+WLX)
 109. 9 1.2 10 1.2 5 1.2
 110. LOAD COMB 17 1.2(DL+IL-WLX)
 111. 10 1.2 6 1.2
 112. LOAD COMB 18 1.2(DL+IL+WLZ)
 113. 9 1.2 10 1.2 7 1.2
 114. LOAD COMB 19 1.2(DL+IL-WLZ)
 115. 9 1.2 10 1.2 8 1.2
 116. LOAD COMB 20 1.5(DL+ELX)
 117. 9 1.5 10 1.5 1 1.5
 118. LOAD COMB 21 1.5(DL-ELX)
 119. 9 1.5 10 1.5 2 1.5
```

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120. LOAD COMB 22 1.5(DL+ELZ)
121. 9 1.5 10 1.5 3 1.5
122. LOAD COMB 23 1.5(DL-ELZ)
123. 10 1.5 4 1.5
124. LOAD COMB 24 1.5(DL+WLX)
125. 10 1.5 5 1.5
126. LOAD COMB 25 1.5(DL-WLX)
127. 10 1.5 6 1.5
128. LOAD COMB 26 1.5(DL+WLZ)
129. 10 1.5 7 1.5
130. LOAD COMB 27 1.5(DL-WLZ)
131. 10 1.5 8 1.5
132. LOAD COMB 28 0.9 DL+ELX
133. 10 0.9 1 1.5
134. LOAD COMB 29 0.9 DL-ELX
135. 10 0.9 2 1.5
136. LOAD COMB 30 0.9 DL+ELZ
137. 10 0.9 3 1.5
138. LOAD COMB 31 0.9 DL-ELZ
139. 10 0.9 4 1.5
140. LOAD COMB 32 0.9 DL+WLX
141. 10 0.9 5 1.5
142. LOAD COMB 33 0.9 DL-WLX
143. 10 0.9 6 1.5
144. LOAD COMB 34 0.9 DL+WLZ
145. 10 0.9 7 1.5
146. LOAD COMB 35 0.9 DL-WLZ
147. 10 0.9 8 1.5
148. PERFORM ANALYSIS PRINT ALL


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

  NUMBER OF JOINTS          32  NUMBER OF MEMBERS       49
  NUMBER OF PLATES           0  NUMBER OF SOLIDS         0
  NUMBER OF SURFACES         0  NUMBER OF SUPPORTS       4

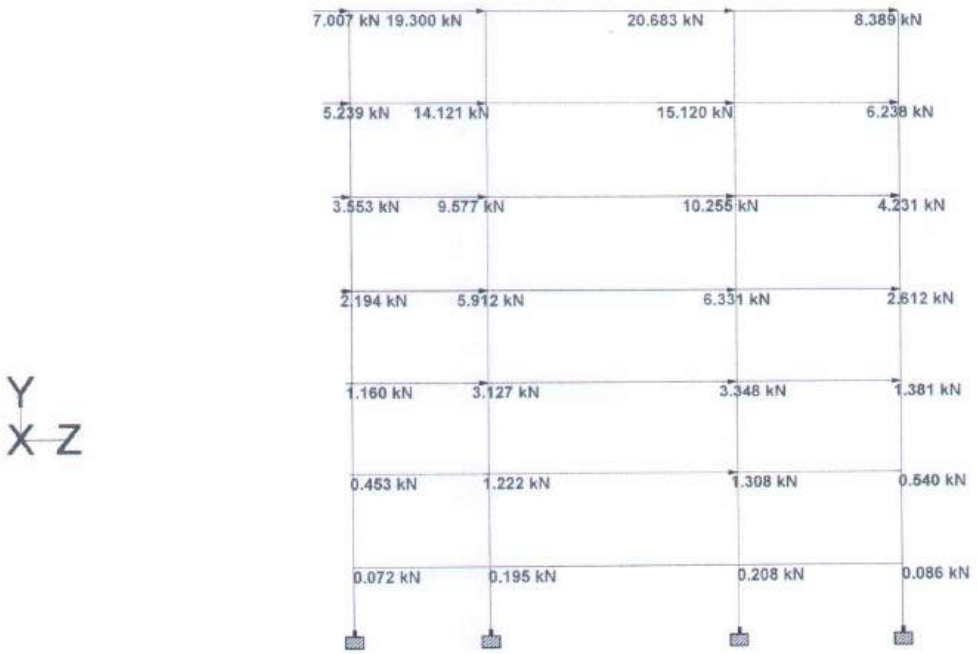
        Using 64-bit analysis engine.

        SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

 TOTAL       PRIMARY LOAD CASES =    10, TOTAL DEGREES OF FREEDOM =     168
 TOTAL LOAD COMBINATION  CASES =    25  SO FAR.
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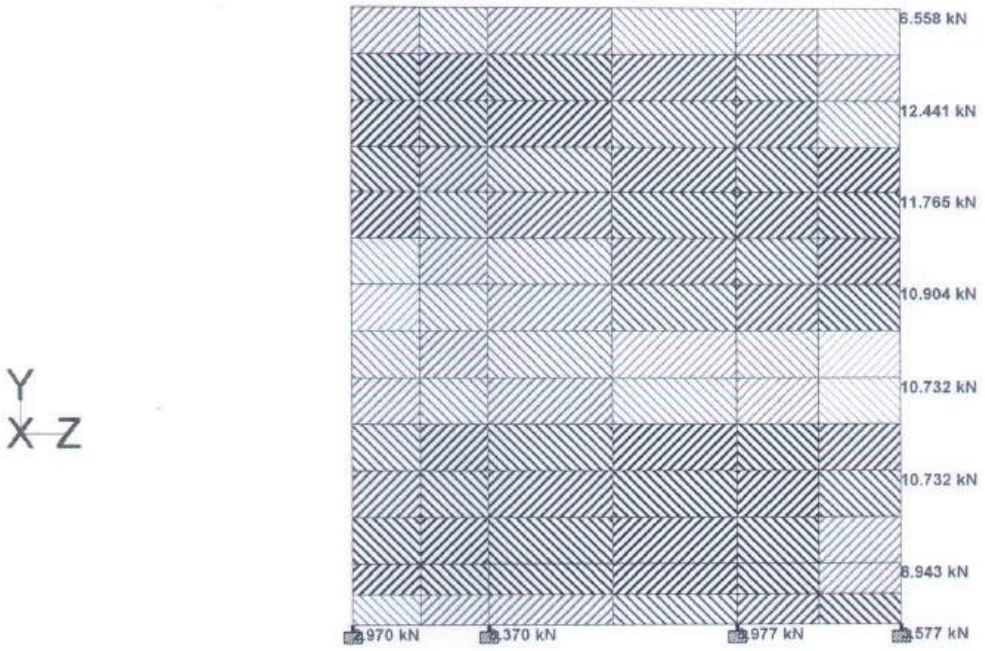


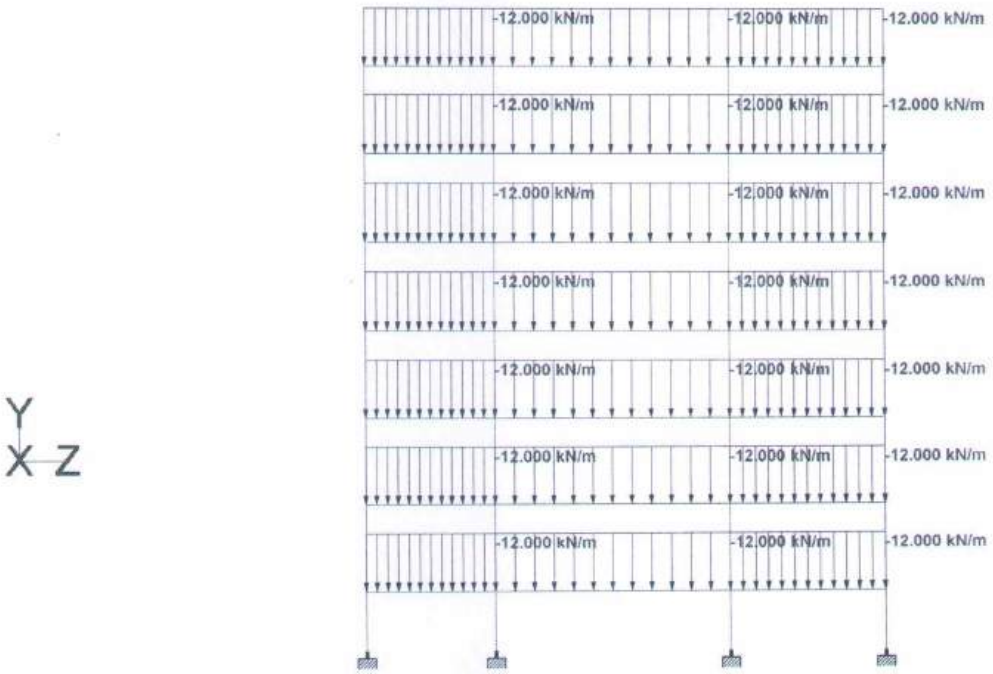
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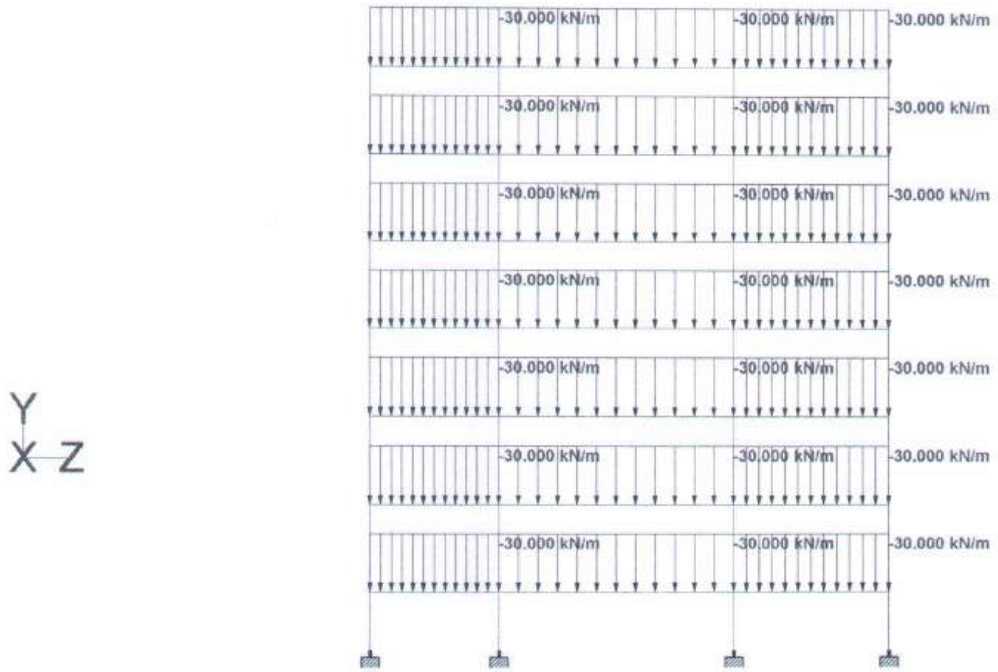
Load 3

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6.558 kN
12.441 kN
11.765 kN
10.904 kN
10.732 kN
10.732 kN
8.943 kN
970 kN
370 kN
977 kN
577 kN
Y
X Z
Load 5



Load 9



Load 10

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THE LANDLENS SUITE

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

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

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

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

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

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

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

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

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

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

FREE TOOLS · NO ACCOUNT NEEDED

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

Records and verification

The registers themselves, read for you.

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

Value and duty

What it is worth and what it costs to register.

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

Zoning and land use

What the plan says can happen on this land.

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

Registers and directories

Who holds it, and which office keeps the record.

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

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

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

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

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