

SCHEDULE OF STRUCTURAL DETAILS:

NOTES

G+10

○ REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS.

○ CONCRETE MIX SHALL BE M35 FOR COLUMN & M25 FOR ALL OTHER R.C.C WORKS,

○ ALL REINFORCEMENTS ARE OF Fe500 GRADE.

○ CLEAR COVER TO MAIN REINFORCEMENT SHALL BE

(i) COLUMN40mm

(ii) BEAM30mm

(iii)SLAB20mm

(iv) R.C.C WALL25mm

○ LAP LENGTH SHALL BE 50 x DIA OF THE BAR

R.No

Description of Revision

Date

Revised By

STRUCTURAL CONSULTANT

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CIVIL & STRUCTURAL CONSULTING ENGINEERS

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PROJECT TITLE

The Proposed Construction of Stilt floor + 10 floors Residential Building with 10 Dwelling units at Plot No.24, New Door No.16 and Old Door No.92, Poes Garden, Chennai – 600 086 and Comprised in R.S.No.1567 and as per Patta R.S.No.1567/30, Block No.31 of Mylapore Village (as per patta mylapore (part 1) town) (as per registration department Teynampet Village), Mylapore Taluk and within the limits of Greater Chennai Corporation. Cone : IX, Division : 118

DRAWING TITLE

TYPICAL ROOF DETAIL

DWG NO

UC-1296-CORPORATION-RESIDENTIAL BUILDING-POES GARDEN,CHENNAI

DSND

DRN

DATE

SCALE

Alex Jacob

Bhuvan M

27/12/2025

1:8

Dr. ALEX JACOB

B.E., M.Tech(Str), Ph.D(Hon),

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STRUCTURAL ENGINEER

70, BEACH ROAD, KALAKSHETRA COLONY

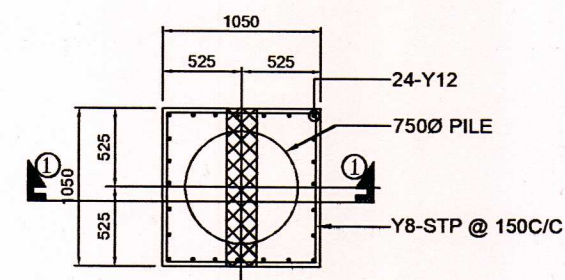
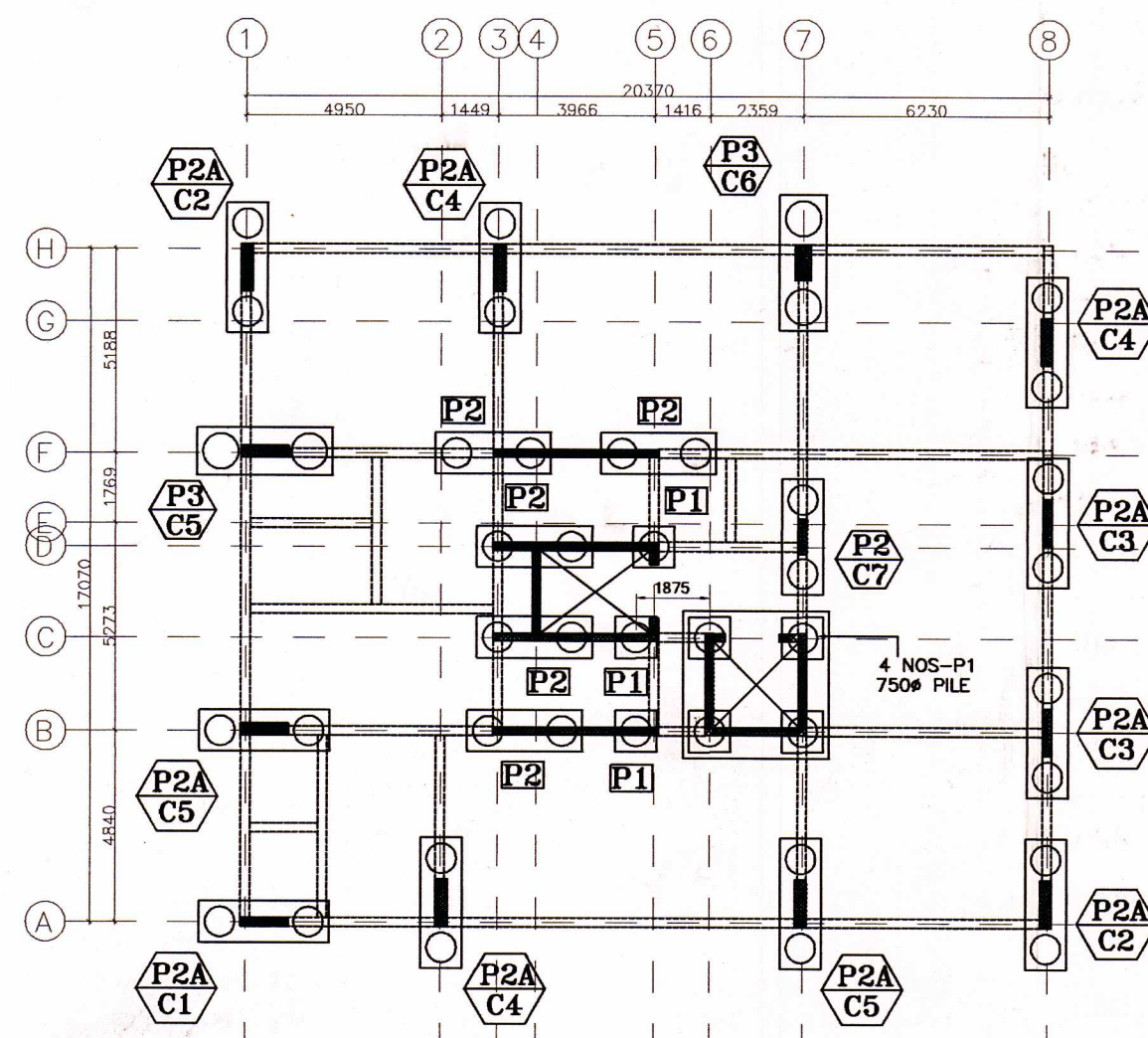
Chennai - 600 090.

REG No. SE/GR-I/24/02/001

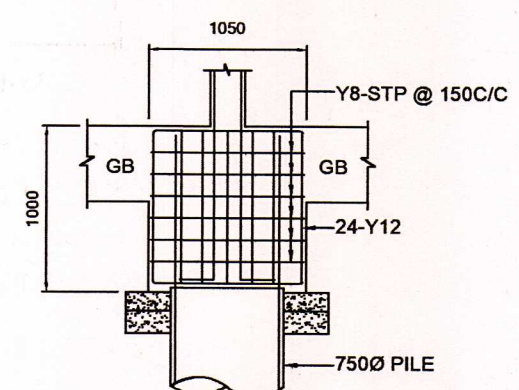
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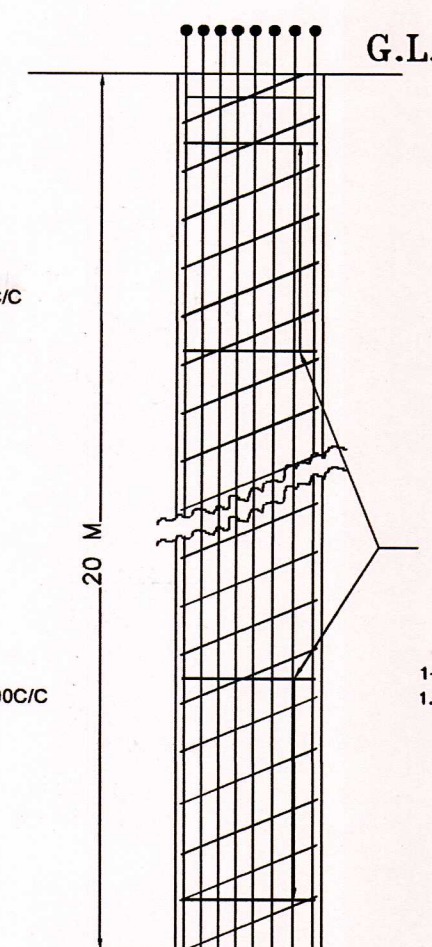
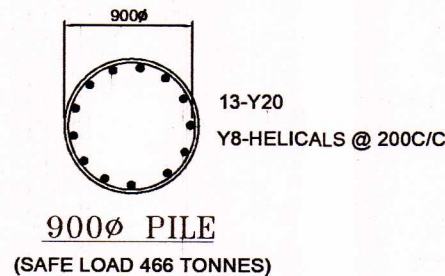
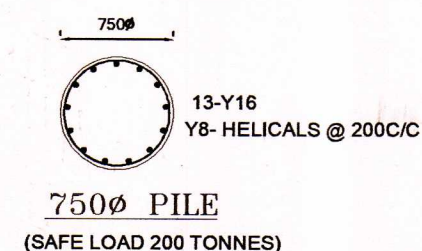
E:/BHUVAN/UC-1296-CORPORATION-RESIDENTIAL BUILDING-POES GARDEN,CHENNAI



PILE-P1



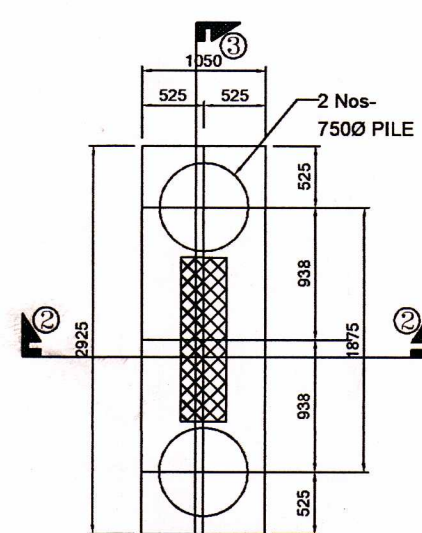
SECTION - 1-1

TYPICAL SECTION OF PILE
BORED CAST IN-SITU PILE

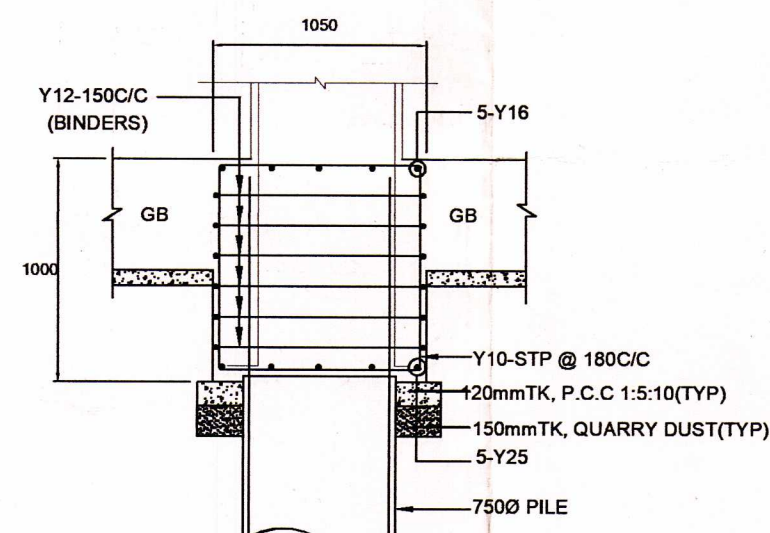
COLUMN-NO	SIZE
COLUMN-C1	230 x 1200
COLUMN-C2	300 X 1200
COLUMN-C3	230 X 1200
COLUMN-C4	300 X 1200
COLUMN-C5	300 X 1200
COLUMN-C6	400 X 900
COLUMN-C7	230 X 900

NOTES

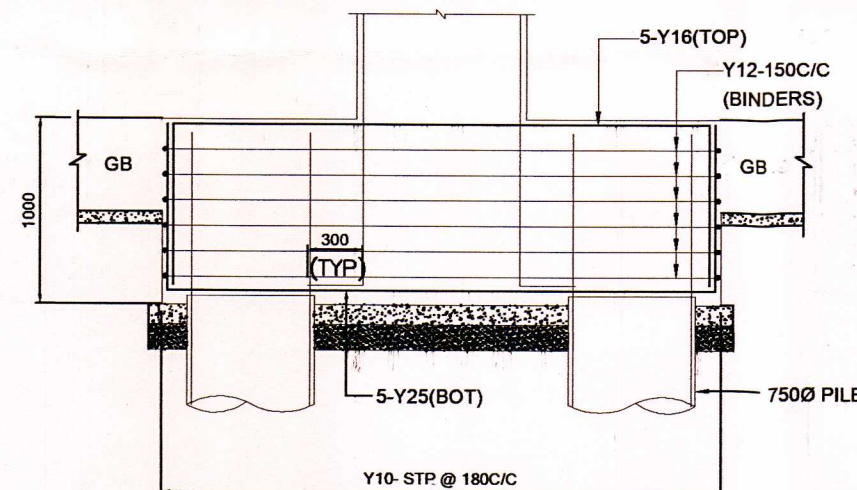
- ALL DIMENSION ARE IN MILLIMETER
- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS.
- CONCRETE MIX SHALL BE M35 FOR PILE WITH MINIMUM CEMENT CONTENT OF 400KG/m³
- CONCRETE MIX SHALL BE M35 FOR COLUMN & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500 GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - (i) PILE 50mm
 - (ii) PILE CAP 50mm
 - (iii) COLUMN 40mm
 - (iv) GRADE BEAM 30mm
 - (v) R.C.C WALL 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR



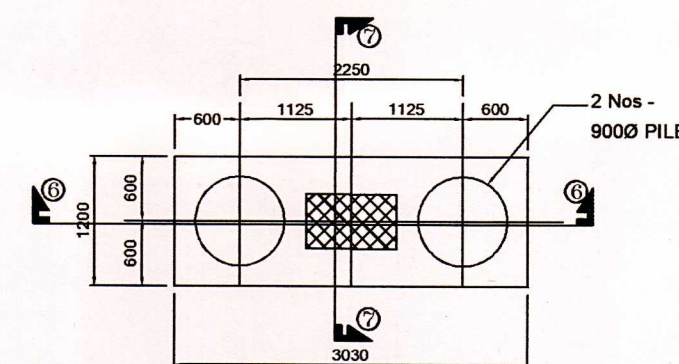
PILE - P2



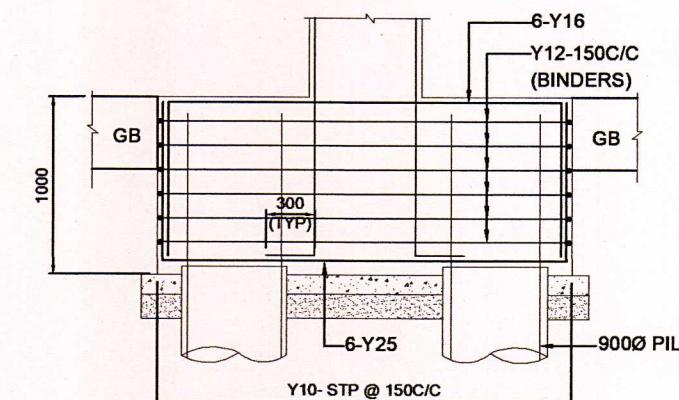
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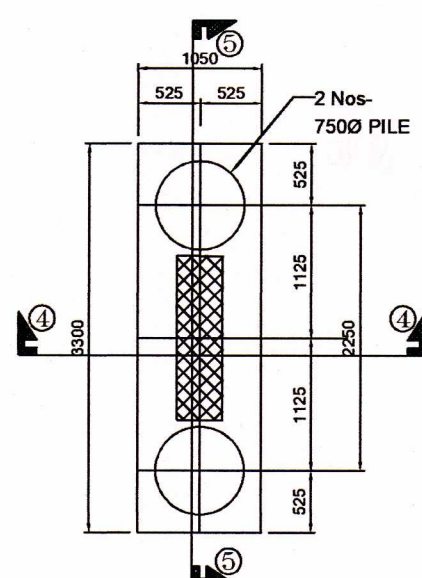
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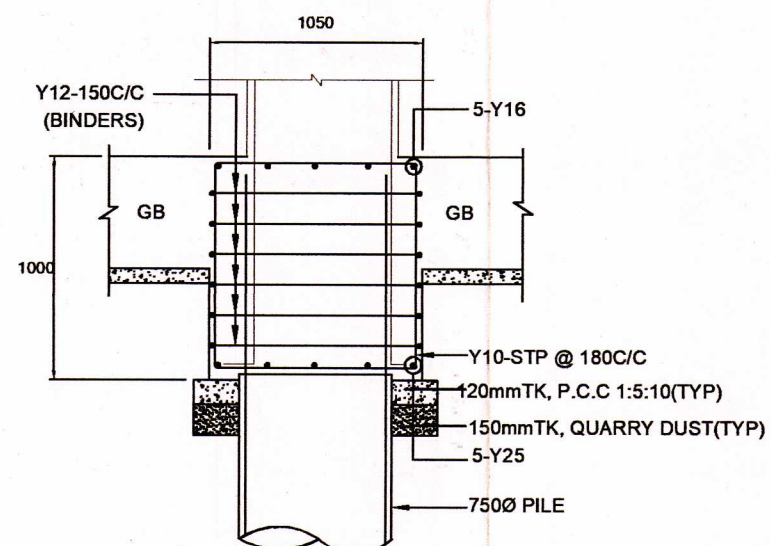
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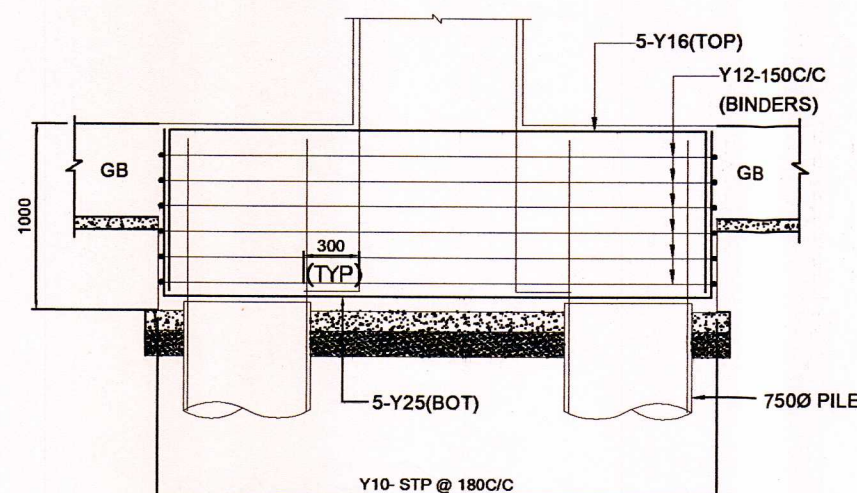
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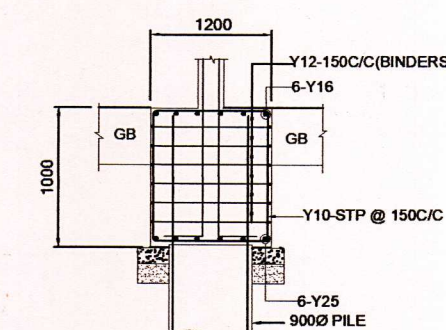
PILE - P2A



SECTION - 4-4



SECTION - 5-5



SECTION - 7-7

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DRAWING TITLE

PILE FOUNDATION DETAIL

DWG NO
UC-1296-CORPORATION-RESIDENTIAL BUILDING-
POES GARDEN, CHENNAI

DSND Alex Jacob
DRN Bhuvan M
DATE 27/12/2025
SCALE 1:8

FILE NAME R./BHUVAN/UC-1296-CORPORATION-RESIDENTIAL BUILDING-POES GARDEN, CHENNAI

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REG No. RSE1400992025