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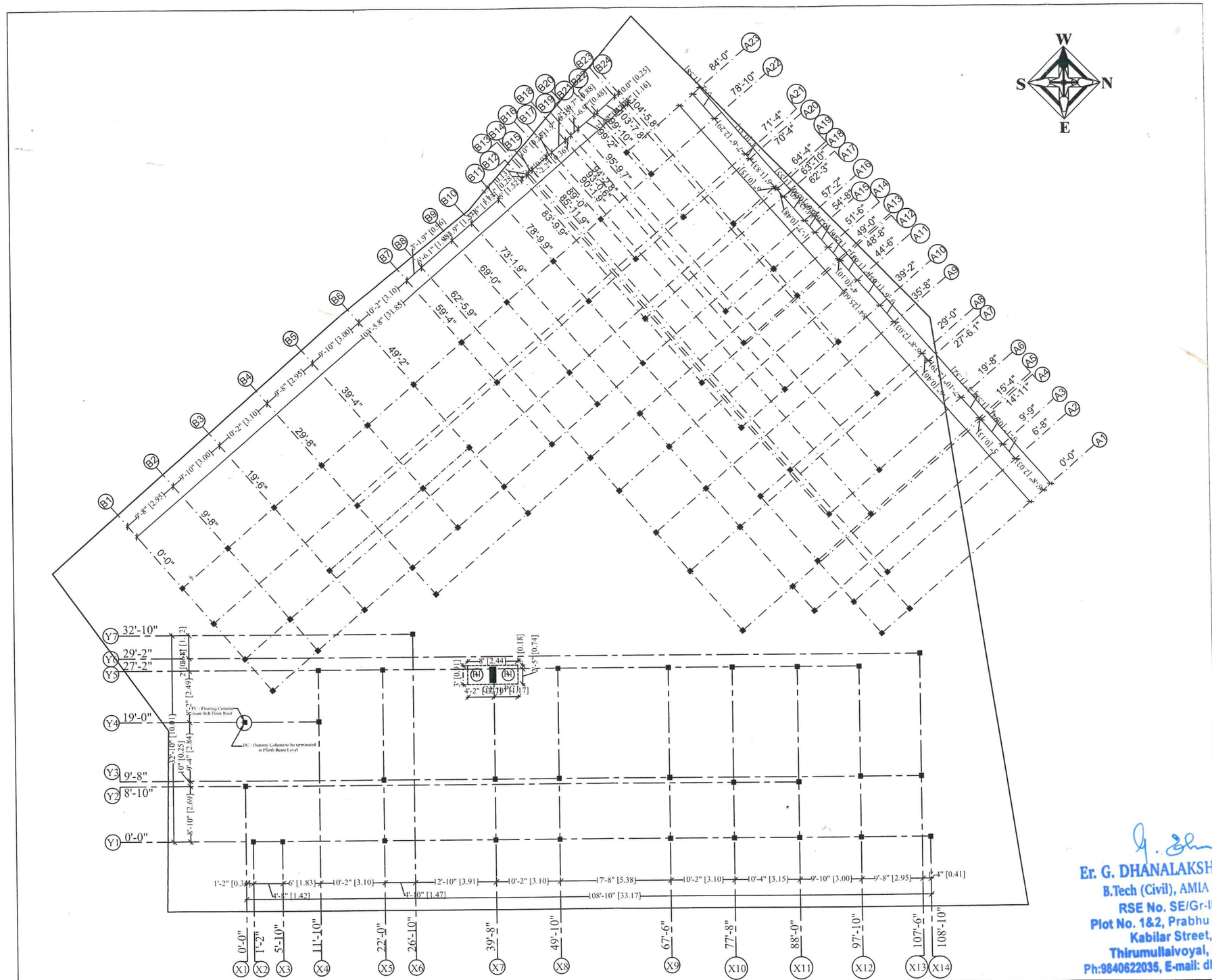
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RSE No. SE/Gr-II / 2023 / 02 / 333
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Thirumullaivoyal, Chennai - 600 062.
Ph:9840622035, E-mail: dhanastructural@gmail.com

Title : Pile, Pile Cap & Column Marking Layout	Architect : M/s.ICIPL	Structural Consultant : DHANAA SUNDARARAJULU AND ASSOCIATES Survey, Quantity Survey & Structural Engineering Consultant DSA Plot No.1 & 2, Kabilar Street, Senthil Nagar, Thirumullaivoyal, Chennai - 62. Mob.: 98406 22035 E-mail : dhanastructural@gmail.com dhanaasassociates@gmail.com
	Client : M/s.GT Properties	
Site : Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District	Scale : 1" = 10'-0" / File no : Dwg.- 06 / 2022	
	Date : 10.02.2022 / Sheet no : 1 / 7	
	Dsgn. by : G.D / Drn. by : G.D / Ckd. by : Dr. V.S.	



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Title :

Stilt Floor Roof Beam and Slab Layout

Architect :

M/s.ICIPL

Client :

M/s.GT Properties

Site :

Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District

Scale : 1" = 10'-0"		File no : Dwg.- 06 / 2022
Date : 10.02.2022		Sheet no : 2 / 7
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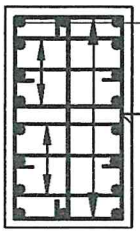
Structural Consultant :

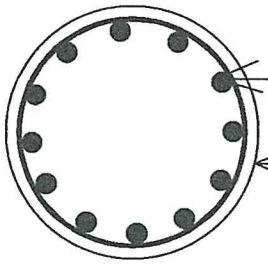
DHANAA SUNDARARAJULU AND ASSOCIATES
Survey, Quantity Survey & Structural Engineering Consultant

DSA

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Schedule Of Column

Columns	Cross Section at Stilt Floor
C1	 18 - Y 25 Y 10 120mm c/c (3 Ties + 3 Links) 12" x 30"



12 - Y 16

Y 8 @ 6" c/c
(1 Tie)

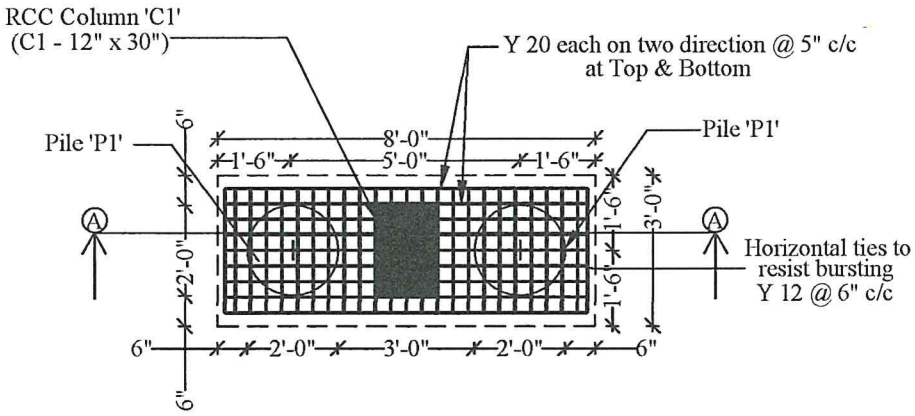
Pile mkd. P1

(2'-0" Ø)

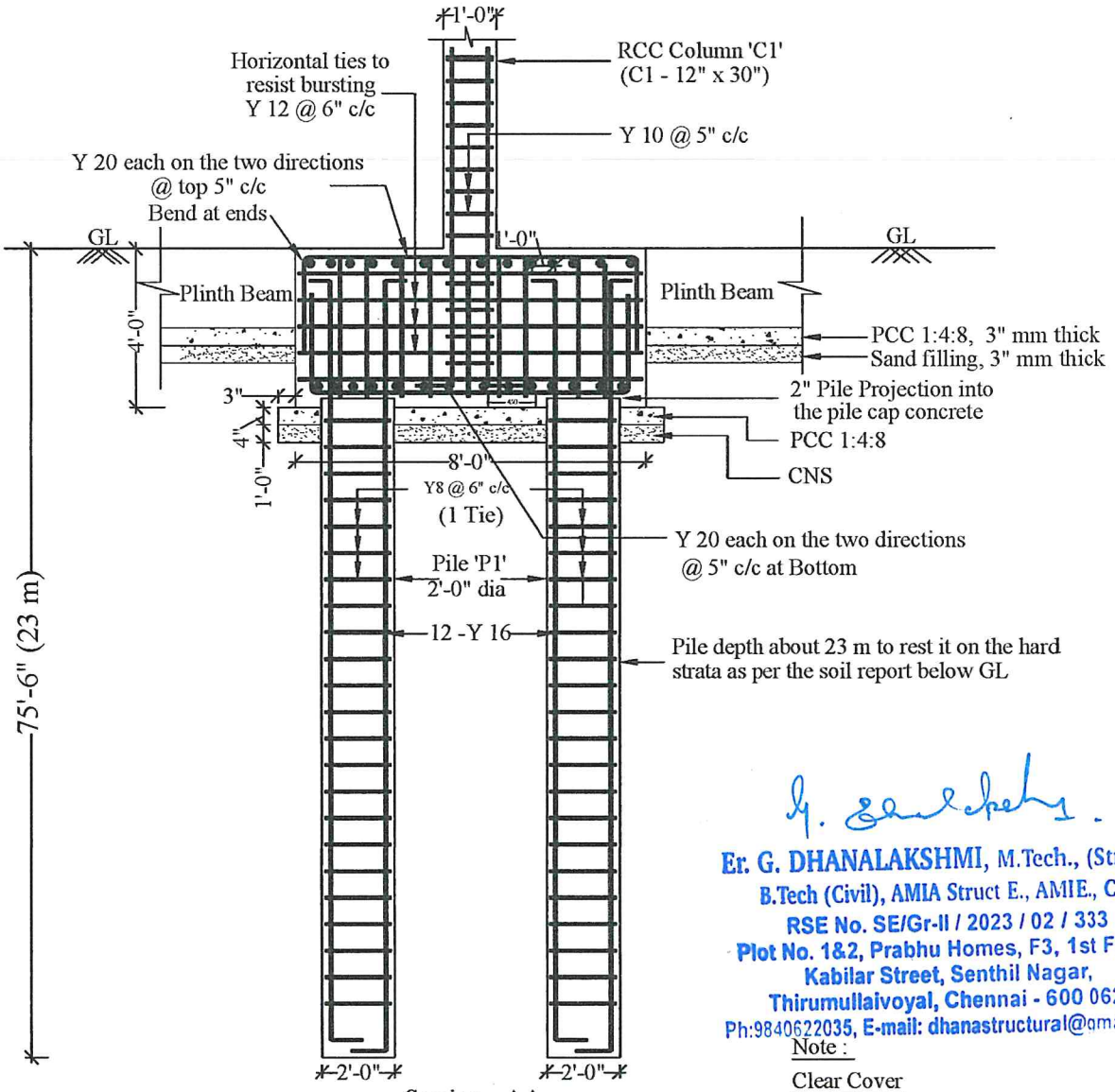
Details Of Pile

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Title : Details of Pile & Schedule of Column	Architect : M/s.ICIPL		Structural Consultant : DHANAA SUNDARARAJULU AND ASSOCIATES Survey, Quantity Survey & Structural Engineering Consultant DSA
	Client : M/s.GT Properties		
Site : Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District	Scale : NTS	File no : Dwg.- 06 / 2022	Plot No.1 & 2, Kabilar Street, Senthil Nagar, Thirumullaivoyal, Chennai - 62. Mob.: 98406 22035 E-mail : dhanastructural@gmail.com dhanaasassociates@gmail.com
	Date : 10.02.2022	Sheet no : 3 / 7	
	Dsgn. by : G.D	Drn. by : G.D	Ckd. by : Dr. V.S.



PLAN - PC1



Section - AA

PILE CAP mkd. PC1 (For C1)

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Note :

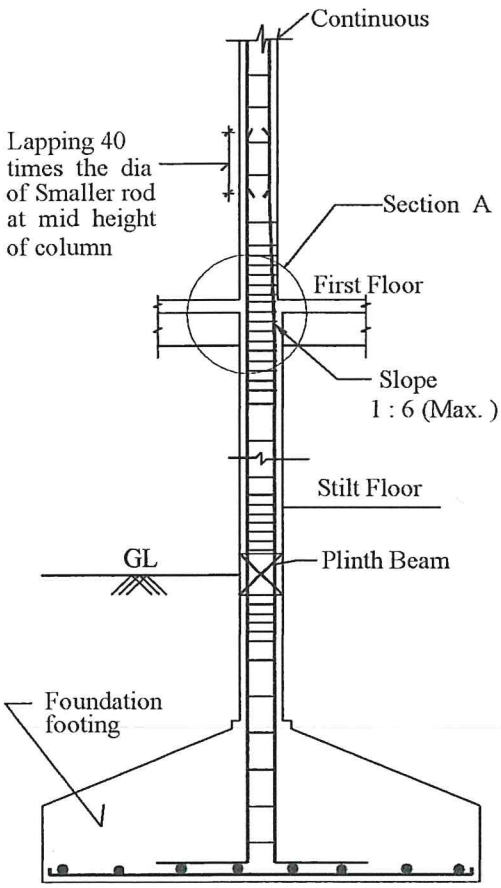
Clear Cover

1.For Pile = 2"

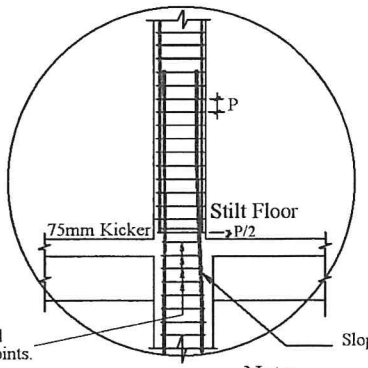
2.For Pile cap = 2.5"

Title : Details of Pile Cap - PC1	Architect : M/s.ICIPL	Structural Consultant : DHANAA SUNDARARAJULU AND ASSOCIATES, Survey, Quantity Survey & Structural Engineering Consultant, DSA
	Client : M/s.GT Properties	
Site : Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District	Scale : NTS; File no : Dwg.- 06 / 2022	
	Date : 10.02.2022; Sheet no : 4 / 7	
	Dsgn. by : G.D; Drn. by : G.D; Ckd. by : Dr. V.S.	

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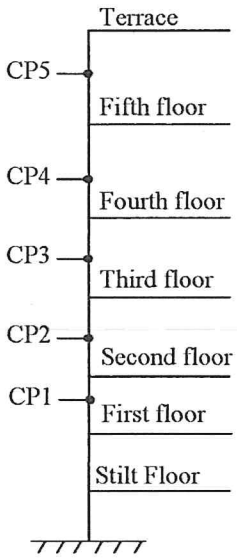
Column Curtailment Details



Rings should be continued and provided inside the columns at Column - Beam joints.

Section A

Note:
Where P - Pitch of Ties
1 : 6 (Max.)



Note :

CP1 - Mid height between First floor & Second floor

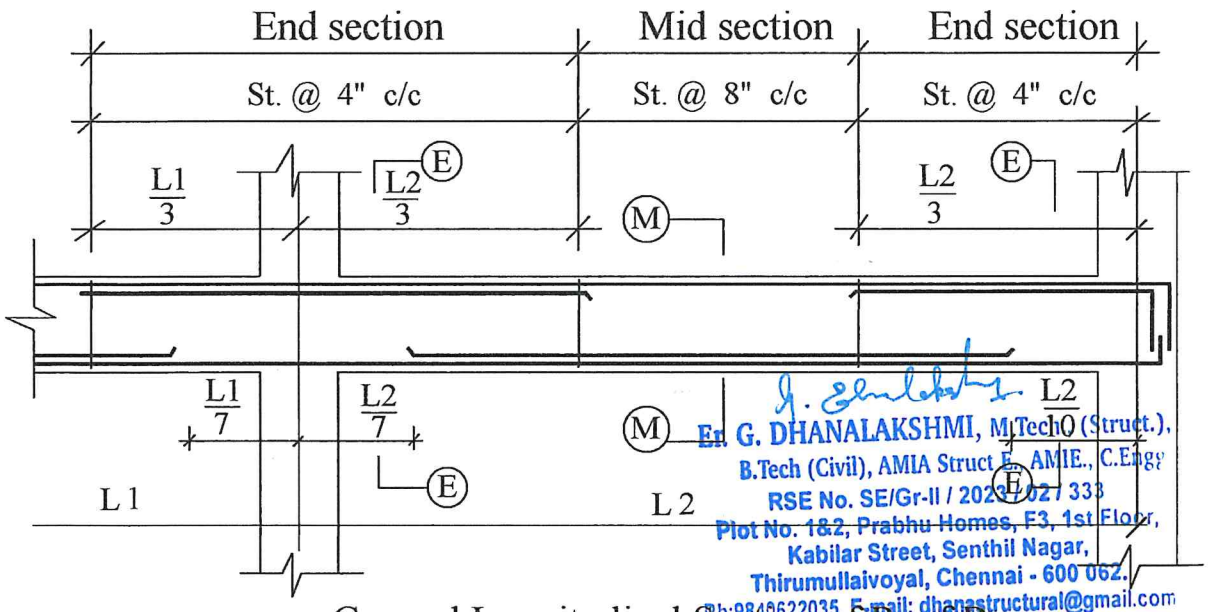
CP2 - Mid height between Second floor & Third floor

CP3 - Mid height between Third Floor & Fourth floor

CP4 - Mid height between Fourth floor & Fifth floor

CP5 - Mid height between Fifth floor & Terrace

* Reinforcement shall be curtailed at CP1, CP2,CP3,CP4 &CP5 in a staggered way more or less at mid height of columns all rods kinked with 1:6 slope for lapping.

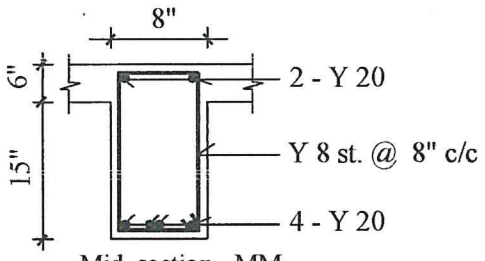


General Longitudinal Section of Roof Beam

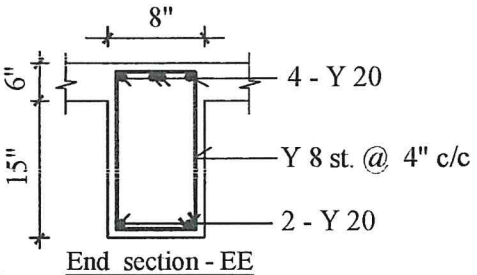
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Title : Details of Column Curtailment & General L.S.of Beam	Architect : M/s.ICIPL		Structural Consultant : DHANAA SUNDARARAJULU AND ASSOCIATES Survey, Quantity Survey & Structural Engineering Consultant DSA
	Client : M/s.GT Properties		
Site : Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District	Scale : NTS	File no : Dwg.- 06 / 2022	Plot No.1 & 2, Kabilar Street, Senthil Nagar, Thirumullaivoyal, Chennai - 62. Mob.: 98406 22035 E-mail : dhanastructural@gmail.com dhanaasassociates@gmail.com
	Date : 10.02.2022	Sheet no : 5 / 7	
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Details of Roof Beam



Mid section - MM



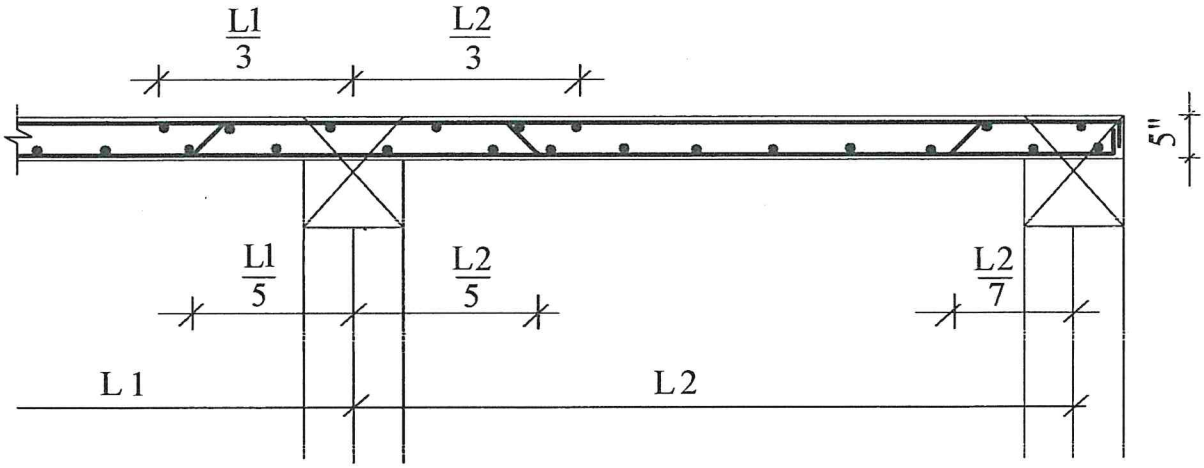
End section - EE

Beam mkd. RB1

Details of Roof Slab :

* All the Slab Thickness = 6" Thick

(S1) Shorter span : Y - 8 @ 5" c/c
Longer span : Y - 8 @ 7" c/c



General Longitudinal Section of Roof Slab

Title : Details of Beam, Slab & General L.S.of Slab	Architect : M/s.ICIPL		Structural Consultant : DHANAA SUNDARARAJULU AND ASSOCIATES Survey, Quantity Survey & Structural Engineering Consultant (DSA)
	Client : M/s.GT Properties		
Site : Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District	Scale : NTS	File no : Dwg.- 06 / 2022	Plot No.1 & 2, Kabilar Street, Senthil Nagar, Thirumullaivoyal, Chennai - 62. Mob.: 98406 22035 E-mail : dhanastructural@gmail.com dhanaasassociates@gmail.com
	Date : 10.02.2022	Sheet no : 6 / 7	
	Dsgn. by : G.D	Drn. by : G.D / Ckd. by : Dr. V.S.	

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Notes : (To be considered during execution of work) :

* All dimensions are in Feet & inches
* Size of Footings Shown in dotted line for Concrete edge.
* Grade of concrete mix shall be M - 30 for Piles, Pile Caps & Columns &M25 for Plinth Beam, Lintel, Loft, Staircase etc.,conforming to IS 456 - 2000
* Reinforcement shall be high strength deformed bars of grade Fe - 500 Confirming to IS 1786 - 1985
* Clear cover to the main reinforcement 2" for Pile, 2.5" for Pile Cap, 1.5" for columns, 1.25" for beams & 0.75" for Slabs.
* The foundation is designed for Stilt + Five Floors only.
* Potable water should be used for all the concrete works
* Use 2" needle vibrators for all RCC works
* The marked layout should be checked by a Structural Engineer
* Do not measure the drawing
* Before pouring concrete the reinforcement tied & laid should be checked by a structural engineer
* Refilling around column footings and basement may be done with quarry dust / River sand to avoid swelling of soil
* Soil : Vide Soil Report M/s. Con-Tech Research Lab, Report No. CTRL/M/s.GT PROPERTIES /118/2021-2022
* Lapping of rods should be avoided near the column and beam joints .
* Lap length for column 40 times of the smaller dia rod and for beam 50 times of smaller dia of the rod.
* The beam rods should be bent at all the ends
* Rings should be continued and provided inside the columns at Column - Beam joints.
* Type of Foundation : Pile with Pile Cap.

For Piling Work:-

1. Type of Foundation : " Bored Cast - in- situ" Pile Foundation.
2. Temporary casting & Bentonite mud supply are needed to stabilise the boreholes & bottom.
3. Concreting shall be done using tremmie.
4. Proper cleaning of the borehole bottom is needed for realising the estimated safe capacity.
5. Column centre & Pile cap centre are at one & the same point.

REMOVING PERIOD OF FORMWORK

Type of FormWork	Min. Period for Removing Formwork.
* Vertical formwork to Columns, Walls, Beams	24 Hours
* Form work to Beams	
a) Spanning upto 5m	14 days
b) Spanning over 5m	21 days

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Title : General Notes	Architect : M/s.ICIPL		DHANAA SUNDARARAJULU AND ASSOCIATES Survey, Quantity Survey & Structural Engineering Consultant DSA
	Client : M/s.GT Properties		
Site : Survey No.45 / 2A2, Multi Industrial Road, Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District	Scale : NTS	File no : Dwg.- 06 / 2022	Plot No.1 & 2, Kabilar Street, Senthil Nagar, Thirumullaivoyal, Chennai - 62. Mob.: 9840622035 E-mail : dhanastructural@gmail.com dhanaasassociates@gmail.com
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