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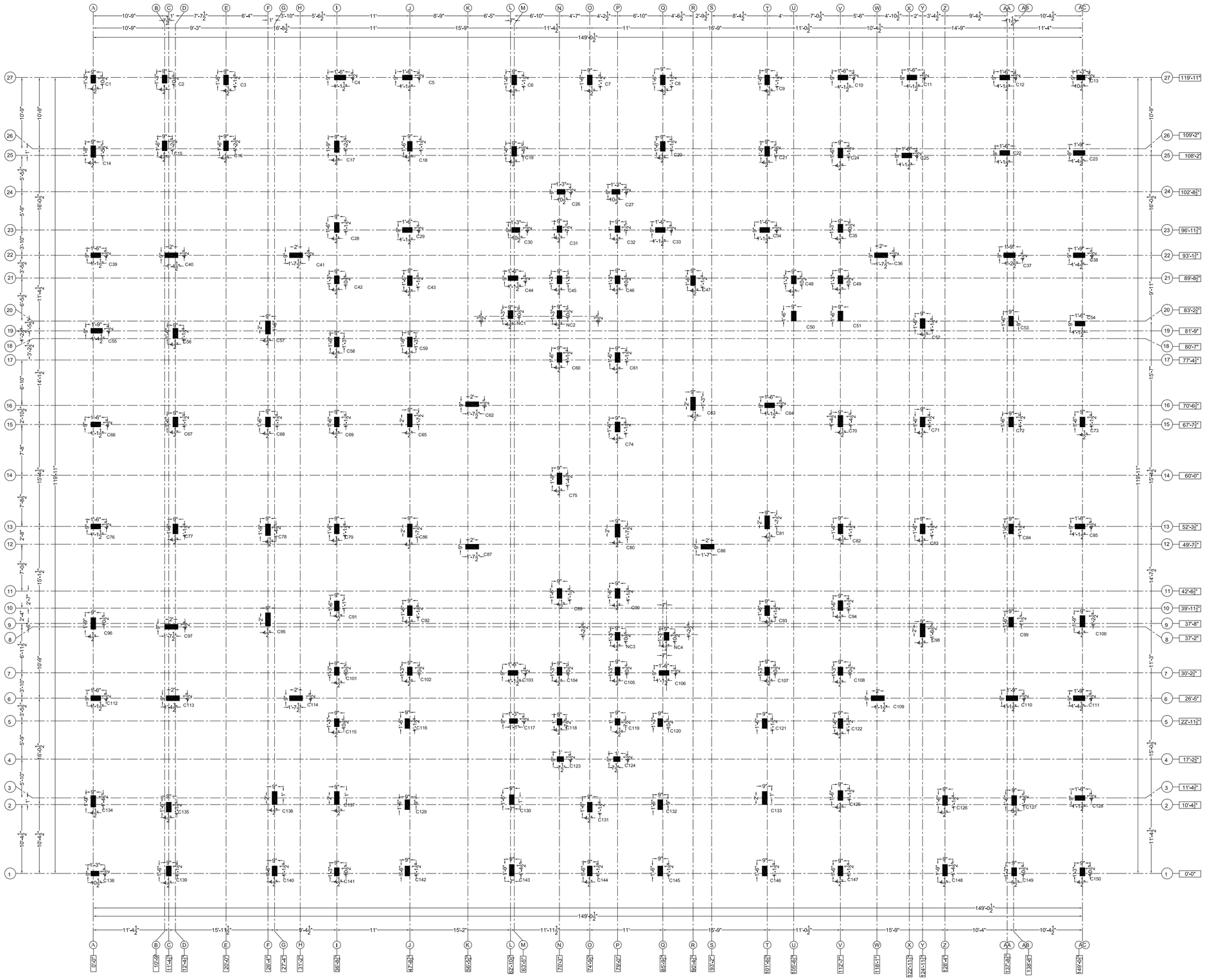
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
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TECHNICAL NOTES

01.Only written dimension to be followed.
02.All dimensions are in feet and inches unless other wise mentioned.
03.Grade of concrete -M25 (1:1:2) conform to IS:456:2000.
04. Grade of steel(Y) - Fe-500 confirm to IS:1786:1985.
05.Clear cover for reinforcement
1) Slab - $\frac{3}{4}$" 2) Beam - 1"
3) Column - $1\frac{1}{2}$" 4) Foundation - 2"
5) Pile - 3" 6) Pile cap - 3"
7) Staircase waist slab - 1"
8) RCC wall - $1\frac{1}{2}$"

Ld - Development length						
Dia(mm)	8	10	12	16	20	25
M20	2'-6"	3'-0"	3'-9"	4'-9"	6'-0"	7'-6"
M25	2'-0"	2'-6"	3'-3"	4'-3"	5'-3"	6'-6"
M30	2'-0"	2'-6"	3'-0"	3'-9"	4'-9"	6'-0"

06.As per soil test report No:**REF-CEO-071-2013** SBC of soil is taken as450 kN/m2 at a depth 21'-0"
07. Foundation & column are designed for G+4 only.

CLIENT

M/s. MEDHIKA INFRA STRCTURES
COIMBATORE

PROJECT

PROPOSED RESIDENTIAL
APARTMENT AT COIMBATORE

ARCHITECT/CONTRACTOR

R.N.Krishna Kumar B.Arch.,
CA / 2015 / 73097
LPA / RA / GR.I / 19 / 03 / 006
GK ASSOCIATES
No : 603, 100 Feet Road, Gandhipuram
Coimbatore - 641 012.
Ph : 0422 - 4220046, 99442 11111

STRUCTURAL CONSULTANT

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COIMBATORE - 641 012.
PHONE : 0422-4220046, 97503 40046

DESIGNED	MT	21-03-17	
DETAILED	SMK	21-03-17	
SCALE	1:100	R0	
SHEET	A2		

W S N E

DRAWING NAME

COLUMN MARKING LAYOUT

DRAWING NUMBER

PJ-2016/002-013-001-/B&W/ST-001

NOTES FOR COLUMN:
C - COLUMN

RELEASED FOR ☐ PRILIMINARY ☐ TENDER ☐ INFORMATION ☑ APPROVAL ☐ CONSTRUCTION

COLUMN SCHEDULE

UPTO TERRACE FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
SECOND FLOOR ROOF BEAM	9" 1'-3" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-9" ◦Y16 ◦Y12	9" 1'-6" ◦Y20 ◦Y16	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'- ◦Y12
	4-Y16 + 4-Y12	4-Y16 + 6-Y12	4-Y16 + 8-Y12	4-Y20 + 6-Y16	4-Y16 + 4-Y12	4-Y16 + 4-Y12	4-Y16 + 4-Y12	4-Y16 + 4-Y12	4-Y16 + 4-Y12	6-Y12
UPTO SECOND FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
GROUND FLOOR ROOF BEAM	9" 1'-3" ◦Y16 ◦Y12	9" 1'-6" ◦Y20 ◦Y16	9" 1'-9" ◦Y16	9" 1'-6" ◦Y20	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'- ◦Y16 ◦Y12
	4-Y16 + 4-Y12	4-Y20 + 6-Y16	12-Y16	10-Y20	8-Y16 + 2-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 2-Y12
UPTO GROUND FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
FOOTING	9" 1'-3" ◦Y16	9" 1'-6" ◦Y20	9" 1'-6" ◦Y20	9" 1'-6" ◦Y25 ◦Y20	9" 1'-6" ◦Y25 ◦Y20	9" 1'-6" ◦Y20 ◦Y16	9" 1'-6" ◦Y20 ◦Y16	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16	9" 1'- ◦Y16 ◦Y12
	8-Y16	10-Y20	12-Y20	4-Y25 + 6-Y20	4-Y25 + 6-Y20	8-Y20 + 2-Y16	4-Y20 + 6-Y16	8-Y16 + 2-Y12	10-Y16	4-Y16 + 2-Y12
COLUMN MARKED	C1, C2, C13, C26, C27, C30, C35, C42, C45, C46, C48, C49, C101, C102, C104, C105, C107, C108, C115, C138, C141, C149, C150	C3, C11, C22, C47, C72, C84, C89, C128, C139	C4, C14, C17, C23, C37, C38, C78, C96, C100, C111, C143, C148	C5, C55, C60, C64, C70, C103, C112, C142, C145, C146	C6, C8, C9, C39, C54, C67, C68, C71, C77, C82, C83, C125, C135	C53, C56, C121, C18, C19, C92, C147, C20, C24, C52, C21, C25, C93, C99, C126, C129, C130, C7, C12	C116, C16, C127, C10	C15, C28, C33, C43, C59, C74, C122	C29, C34, C58, C91, C94, C132	C32, C119, C124, C31, C118

COLUMN SCHEDULE

UPTO TERRACE FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
SECOND FLOOR ROOF BEAM	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y20 ◦Y16	9" 2' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12
	4-Y16 + 8-Y12	4-Y16 + 8-Y12	4-Y16 + 8-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 8-Y12	4-Y16 + 6-Y12	4-Y20 + 8-Y16	4-Y16 + 8-Y12	4-Y16 + 6-Y12
UPTO SECOND FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
GROUND FLOOR ROOF BEAM	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16	9" 2' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y25 ◦Y20	9" 2' ◦Y16	9" 1'-6" ◦Y16
	4-Y16 + 8-Y12	12-Y16	8-Y16 + 4-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 8-Y12	4-Y16 + 6-Y12	4-Y25 + 8-Y20	12-Y16	10-Y16
UPTO GROUND FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
FOOTING	9" 2' ◦Y20 ◦Y16	9" 2' ◦Y25 ◦Y20	9" 2' ◦Y20 ◦Y16	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16	9" 2' ◦Y16	9" 1'-6" ◦Y20 ◦Y16	9" 2' ◦Y25 ◦Y20	9" 2' ◦Y25 ◦Y20	9" 1'-6" ◦Y16
	8-Y20 + 4-Y16	4-Y25 + 8-Y20	8-Y20 + 4-Y16	4-Y16 + 6-Y12	10-Y16	12-Y16	8-Y20 + 2-Y16	4-Y25 + 8-Y20	8-Y25 + 4-Y20	10-Y16
COLUMN MARKED	C86, C36, C65	C40	C41	C44, C50, C106, C144	C51	C57, C97, C98	C61	C62, C87	C63	C66

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Dia(mm)	8	10	12	16	20	25
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M25	2'-0"	2'-6"	3'-3"	4'-3"	5'-3"	6'-6"
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07. Foundation & column are designed for G+4 only.

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COIMBATORE

PROJECT

PROPOSED RESIDENTIAL APARTMENT AT COIMBATORE

ARCHITECT/CONTRACTOR

R.N.Krishna Kumar B.Arch.,
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GK ASSOCIATES
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No : 603, 100 FEET ROAD, GANDHIPURAM
COIMBATORE - 641 012.
PHONE : 0422-4220046, 97503 40046

DESIGNED	MT	21-03-17
DETAILED	SMK	21-03-17
SCALE	1:100	R0
SHEET	A2	

W S N E

DRAWING NAME

COLUMN REINFORCEMENT DETAILS

DRAWING NUMBER

PJ-2016/002-013-001-/B&W/ST-001(a)

COLUMN SCHEDULE

UPTO TERRACE FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
SECOND FLOOR ROOF BEAM	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-9" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y20 ◦Y16	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12
	4-Y16 + 4-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 8-Y12	4-Y16 + 8-Y12	4-Y20 + 8-Y16	4-Y16 + 6-Y12	4-Y16 + 8-Y12	4-Y16 + 8-Y12
UPTO SECOND FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
GROUND FLOOR ROOF BEAM	9" 1'-6" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-9" ◦Y20 ◦Y16	9" 1'-6" ◦Y20 ◦Y16	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y25 ◦Y20	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12
	4-Y16 + 6-Y12	4-Y16 + 6-Y12	8-Y20 + 4-Y16	4-Y20 + 6-Y16	4-Y16 + 8-Y12	8-Y16 + 4-Y12	4-Y25 + 8-Y20	4-Y16 + 6-Y12	8-Y16 + 4-Y12	4-Y16 + 8-Y12
UPTO GROUND FLOOR ROOF BEAM										
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
FOOTING	9" 1'-6" ◦Y20 ◦Y16	9" 1'-6" ◦Y16 ◦Y12	9" 1'-9" ◦Y20	9" 1'-6" ◦Y20 ◦Y16	9" 2' ◦Y16	9" 2' ◦Y20	9" 2' ◦Y25 ◦Y20	9" 1'-6" ◦Y20 ◦Y16	9" 2' ◦Y20 ◦Y16	9" 2' ◦Y20 ◦Y16
	8-Y20 + 2-Y16	4-Y16 + 6-Y12	12-Y20	4-Y20 + 6-Y16	12-Y16	12-Y20	8-Y25 + 4-Y20	8-Y20 + 2-Y16	4-Y20 + 8-Y16	8-Y20 + 4-Y16
COLUMN MARKED	C69, C79	C73	C75	C76, C85	C80, C136, C137	C81, C114	C88	C90	C95	C109

COLUMN SCHEDULE

UPTO TERRACE FLOOR ROOF BEAM									
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
SECOND FLOOR ROOF BEAM	9" 1'-9" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 1'-3" ◦Y16 ◦Y12	9" 1' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 1'-9" ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 1'-3" ◦Y16 ◦Y12
	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 4-Y12	4-Y16 + 2-Y12	4-Y16 + 4-Y12	4-Y16 + 6-Y12	4-Y16 + 6-Y12	4-Y16 + 4-Y12	4-Y16 + 4-Y12
UPTO SECOND FLOOR ROOF BEAM									
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
GROUND FLOOR ROOF BEAM	9" 1'-9" ◦Y16	9" 2' ◦Y16 ◦Y12	9" 1'-3" ◦Y16 ◦Y12	9" 1' ◦Y16 ◦Y12	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y16 ◦Y12	9" 1'-9" ◦Y16	9" 1'-6" ◦Y16	9" 1'-3" ◦Y16 ◦Y12
	12-Y16	8-Y16 + 4-Y12	4-Y16 + 4-Y12	4-Y16 + 2-Y12	4-Y16 + 6-Y12	8-Y16 + 4-Y12	12-Y16	10-Y16	4-Y16 + 4-Y12
UPTO GROUND FLOOR ROOF BEAM									
TO	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C	Y8-6"C/C
FOOTING	9" 1'-9" ◦Y25 ◦Y20	9" 2' ◦Y20	9" 1'-3" ◦Y20 ◦Y16	9" 1' ◦Y16	9" 1'-6" ◦Y16 ◦Y12	9" 2' ◦Y20 ◦Y16	9" 1'-9" ◦Y25 ◦Y20	9" 1'-6" ◦Y25 ◦Y20	9" 1'-3" ◦Y16
	4-Y25 + 8-Y20	12-Y20	4-Y20 + 4-Y16	6-Y16	4-Y16 + 6-Y12	8-Y20 + 4-Y16	4-Y25 + 8-Y20	4-Y25 + 6-Y20	8-Y16
COLUMN MARKED	C110	C113	C117, C120	C123	C131	C133	C134	C142, C145, C146	NC1, NC2, NC3, NC4

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DESIGNED	MT	21-03-17	
DETAILED	SMK	21-03-17	
SCALE	1:100	R0	
SHEET	A2		

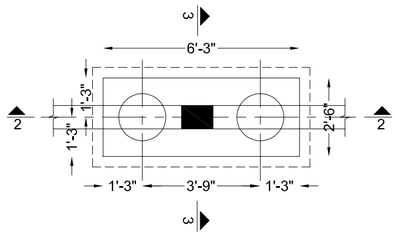
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DRAWING NAME

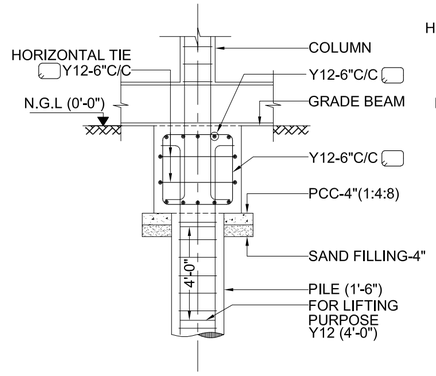
COLUMN REINFORCEMENT DETAILS

DRAWING NUMBER

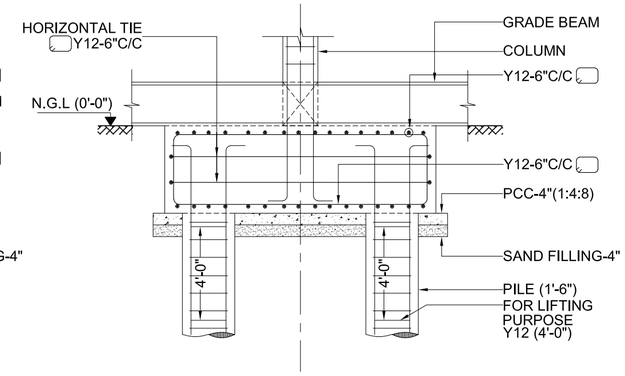
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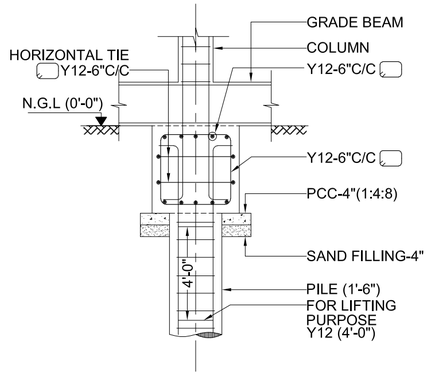
PILE CAP-PC2



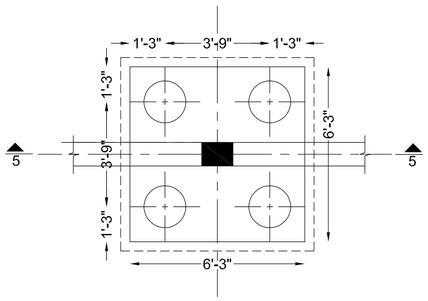
SECTION 1-1



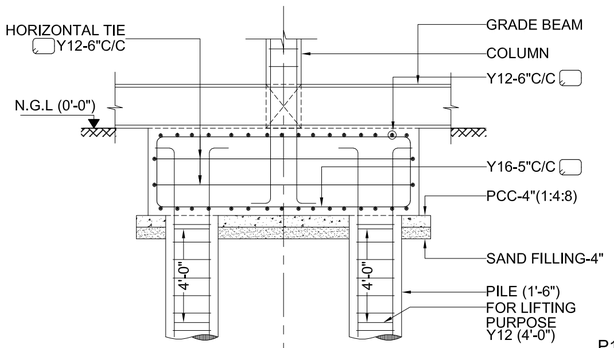
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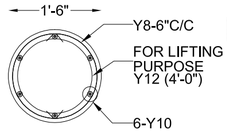
SECTION 3-3



PILE CAP-PC4

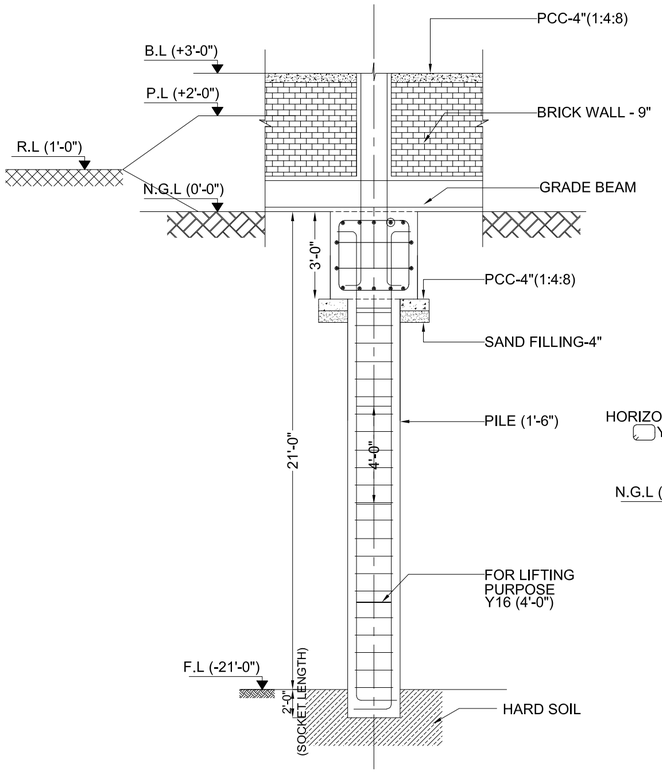


SECTION 4-4

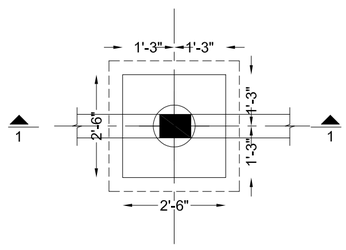


P1-PILE REINFORCEMENT

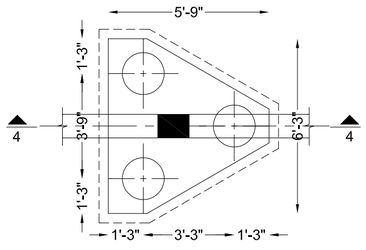
SECTION 5-5



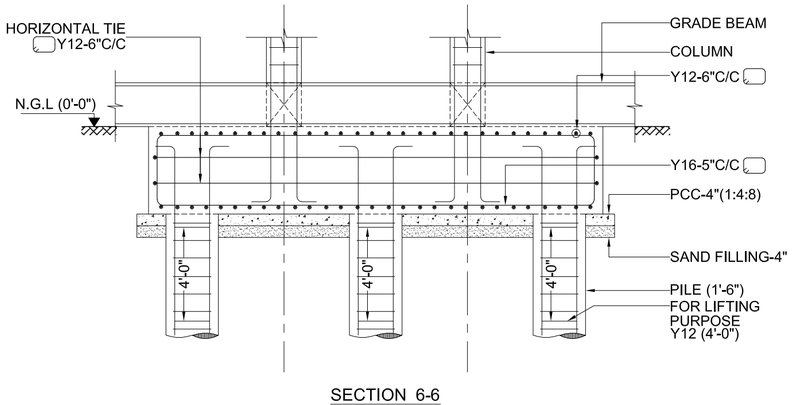
COLUMN SPECIAL CONFINEMENT
& SPLICE DETAILS



PILECAP-PC1



PILECAP-PC3



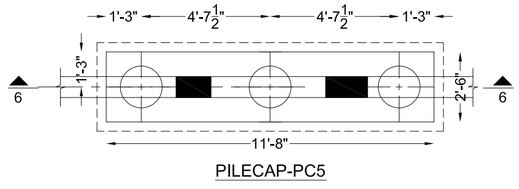
SECTION 6-6

SL.NO	PILE	NOS
01	P1	07
02	P2	90
03	P3	52
04	P4	01
05	P5	02

TOTAL - 152

SL.NO	PILE CAP	NOS
01	PC1	07
02	PC2	180
03	PC3	156
04	PC4	04
05	PC5	06

TOTAL - 353



PILECAP-PC5

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TECHNICAL NOTES

01.Only written dimension to be followed.
02.All dimensions are in feet and inches unless other wise mentioned.
03.Grade of concrete -M25 (1:1:2) conform to IS:456:2000.
04. Grade of steel(Y) - Fe-500 confirm to IS:1786:1985.
05.Clear cover for reinforcement
1) Slab - $\frac{3}{4}$" 2) Beam - 1"
3) Column - $1\frac{1}{2}$" 4) Foundation - 2"
5) Pile - 3" 6) Pile cap - 3"
7) Staircase waist slab - 1"
8) RCC wall - $1\frac{1}{2}$"

Ld - Development length						
Dia(mm)	8	10	12	16	20	25
M20	2'-6"	3'-0"	3'-9"	4'-9"	6'-0"	7'-6"
M25	2'-0"	2'-6"	3'-3"	4'-3"	5'-3"	6'-6"
M30	2'-0"	2'-6"	3'-0"	3'-9"	4'-9"	6'-0"

06.As per soil test report No:**REF-CEO-071-2013** SBC of soil is taken as450 kN/m2 at a depth 21'-0"
07. Foundation & column are designed for G+4 only.

CLIENT

M/s. MEDHIKA INFRA STRCTURES
COIMBATORE

PROJECT

PROPOSED RESIDENTIAL
APARTMENT AT COIMBATORE

ARCHITECT/CONTRACTOR

R.N.Krishna Kumar B.Arch.,
CA/2015/73097
LPA/RA/GR.I/19/03/006
GK ASSOCIATES
No : 603, 100 Feet Road, Gandhipuram
Coimbatore - 641 012.
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GK ASSOCIATES
No : 603, 100 FEET ROAD, GANDHIPURAM
COIMBATORE - 641 012.
PHONE : 0422-4220046, 97503 40046

DESIGNED	MT	21-03-17	
DETAILED	SMK	21-03-17	
SCALE	1:100	R0	
SHEET	A2		

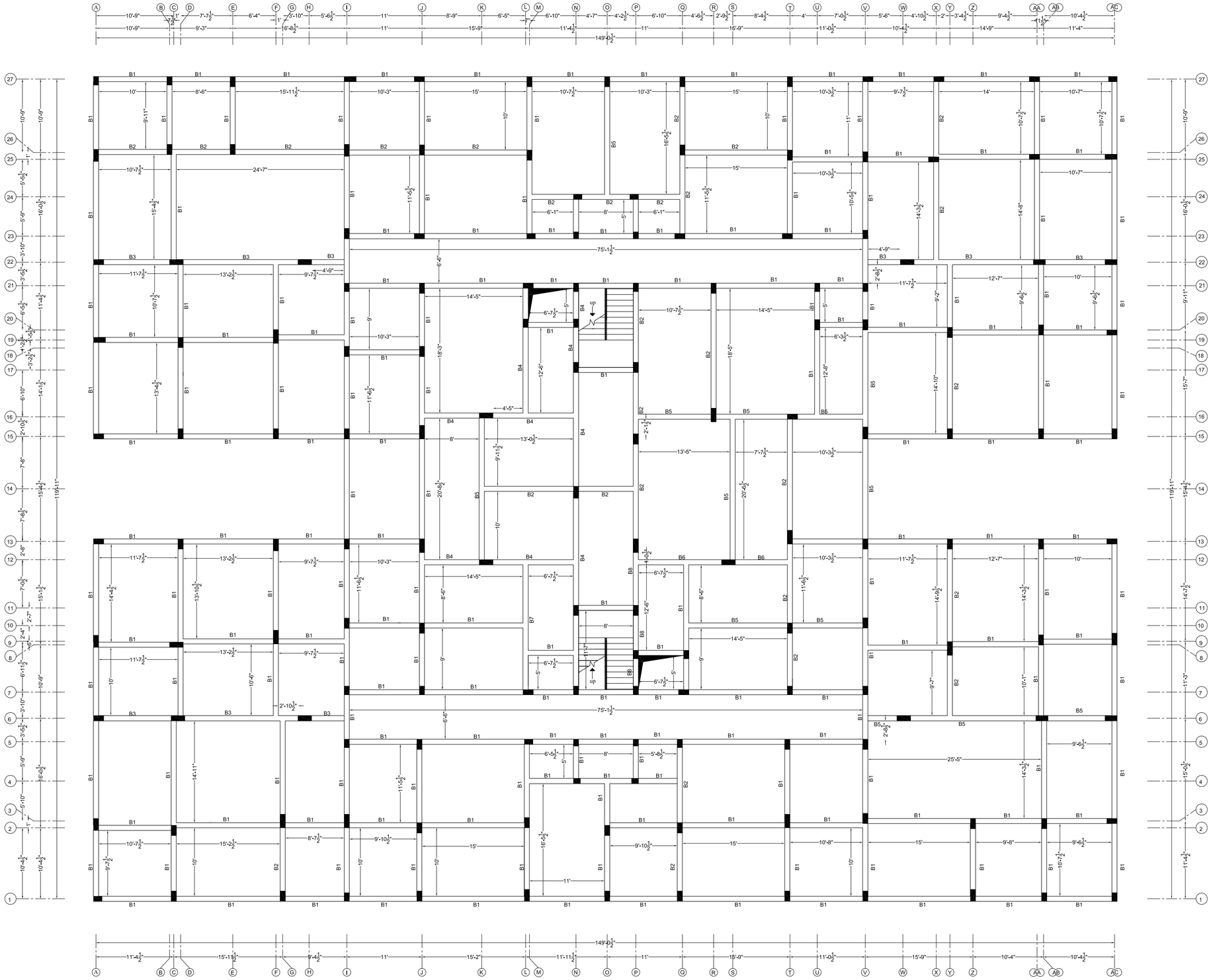
W S N E

DRAWING NAME

PILE & PILE CAP
LAYOUT & REINFORCEMENT DETAILS

DRAWING NUMBER

PJ-2016/002-013-001-/B&W/ST-002(a)



NOTES:

B	- GRADE BEAM
	- LIFT OPENING
	- DOWELS ROD

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COIMBATORE - 641 012.
PHONE : 0422-4220046, 97503 40046

DESIGNED	MT	21-03-17	W / S / N / E
DETAILED	SMK	21-03-17	
SCALE	1:100	R0	
SHEET	A2		

DRAWING NAME

GRADE BEAM LAYOUT

DRAWING NUMBER

PJ-2016/002-013-001-/B&W/ST-003



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