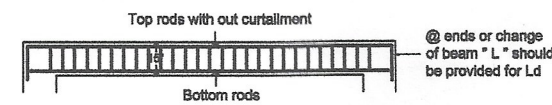


LS of Plinth Beam:

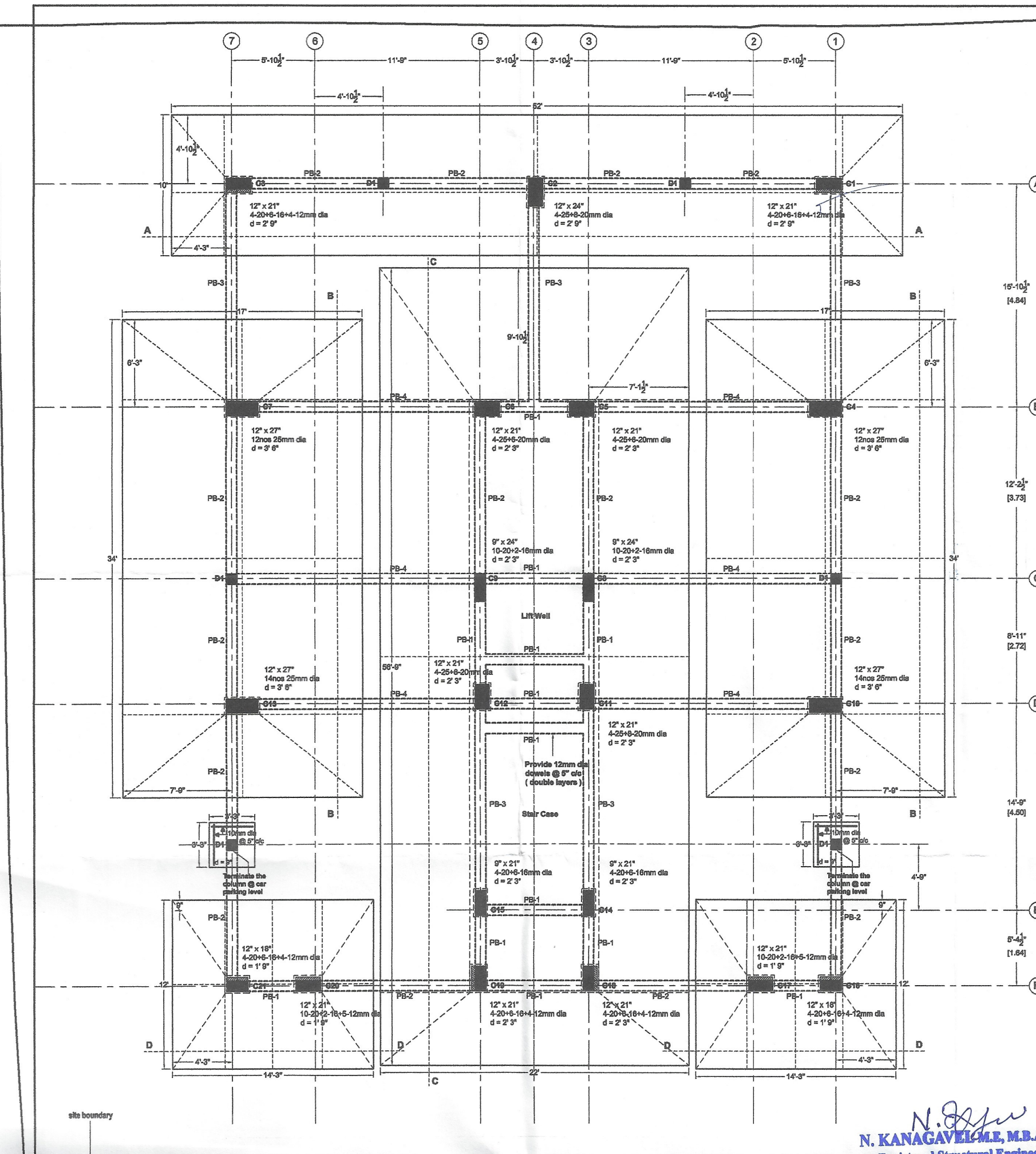


Plinth Beam Details: (beam bottom @ 3" below ground level)

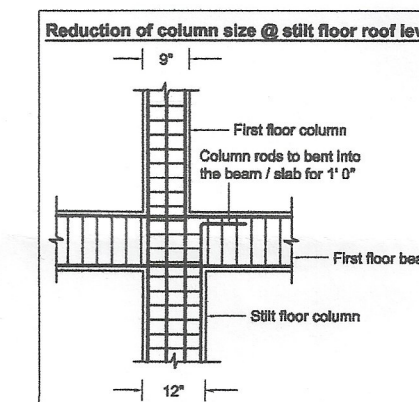
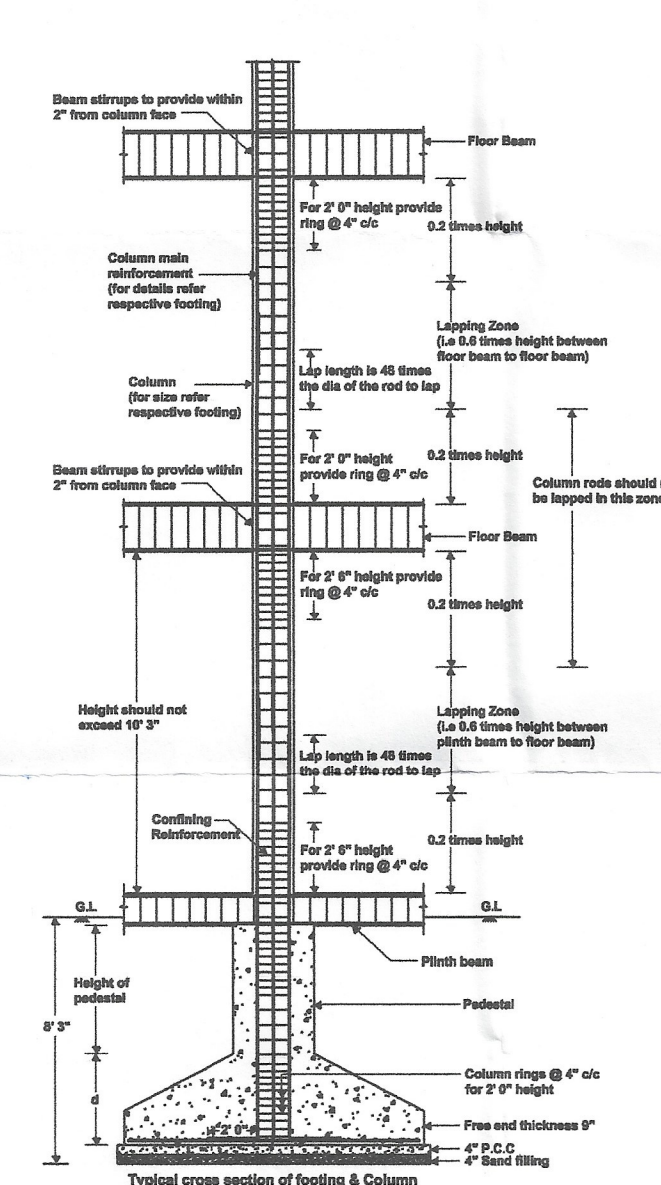
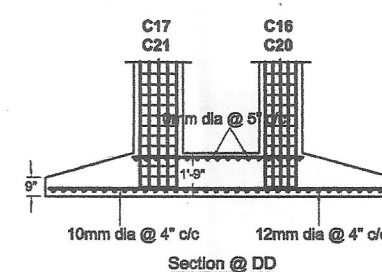
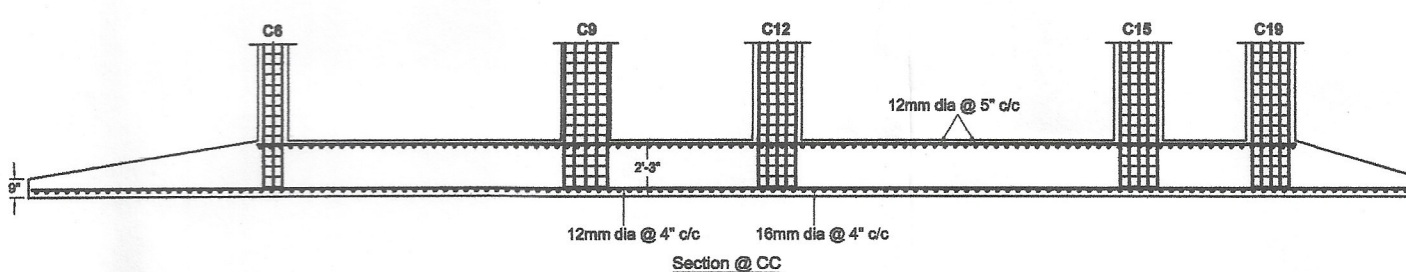
PB NO	Size	Top rods	Bottom rods	Stirrups spacing
PB-1	9" x 15"	3-12mm dia	3-12 mm dia	8mm dia @ 5" c/c
PB-2	9" x 15"	3-12 mm dia	2-12+1-16 mm dia	8mm dia @ 5" c/c
PB-3	9" x 15"	2-16+1-12 mm dia	2-16+1-20 mm dia	8mm dia @ 4" c/c
PB-4	9" x 15"	2-16+1-20 mm dia	2-20+1-16 mm dia	8mm dia @ 4" c/c

Orientation Of Column Rods

Column no.	Column Size	Pedestal Size	Stilt Floor	First & Second floors	Third, Fourth & Fifth Floors	Maximum Spacing of Rings / Confining Rings
C10 & C13	2' 3" x 1' 0"	2' 6" x 1' 3"	14nos 25mm	14nos 25mm	14nos 20mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C4 & C7	2' 3" x 1' 0"	2' 6" x 1' 3"	12nos 25mm	12nos 25mm	4-20 + 8-16	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C2	2' 0" x 1' 0"	2' 3" x 1' 3"	4-25 + 8-20	4-25 + 8-20	12nos 20mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C11 & C12	1' 9" x 1' 0"	2' 0" x 1' 3"	4-25 + 8-20	4-25 + 8-20	12nos 20mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C5 & C6	1' 9" x 1' 0"	2' 0" x 1' 3"	4-25 + 8-20	4-25 + 8-20	10nos 20mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C17 & C20	1' 9" x 1' 0" & 1' 9" x 9"	2' 0" x 1' 3"	5nos 12mm 10-20 + 2-16	10-20 + 2-16	12nos 16mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C1, C3, C16 & C19	1' 9" x 1' 0" & 1' 9" x 9"	2' 0" x 1' 3"	4nos 12mm 4-20 + 6-16	4-20 + 6-16	10nos 16mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C16 & C21	1' 6" x 1' 0" & 1' 6" x 9"	1' 9" x 1' 3"	4nos 12mm 4-20 + 6-16	4-20 + 6-16	10nos 16mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C8 & C9	2' 0" x 9"	2' 0" x 9"	10-20 + 2-16	10-20 + 2-16	12nos 16mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C14 & C15	1' 9" x 9"	2' 0" x 1' 0"	4-20 + 6-16	4-20 + 6-16	10nos 16mm	6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
D1 (terminate the column @ car parking level)	9" x 9"	9" x 9"	4nos 12mm			2-legged 8mm dia @ 6" c/c



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Notes:

- Foundation and column are designed for stilt + five floors in accordance with seismic zone-III as per IS 1893(part-1)-2016
- Cover & grade of concrete

	Cover	Grade of concrete
Footing	2"	M25
Column	1 1/2"	M25
Plinth beam	1"	M25
- Grade of steel to be used is Fe 600
- Lap length for column rods is 48 times dia of the bar
- Depth of foundation and SBC considered are as per Nagel Consultants (P) Ltd., soil report no: G(C)/10065 dated
- Plinth beam bottom level is to be @ 3" below existing ground level
- Designing is done based on the details shown in drawing dated 20.11.2025
- Footing side shuttering should be done
- Use potable water for all construction activities including curing
- Column rods lapping should be done only @ mid height between floors
- Do not provide pedestal for columns C8 & C9

Project Title:

Proposed Residential Building @ Block G, 55th Street, Ashok Nagar, Chennai - 600 078

Drawing Title:

Foundation, Column And Plinth Beam Details

Scale: N.T.S

Date: 03.12.2025

Promoter:

KCo Properties
Door No: 8/19, Second Street,
Ragavan Colony, Ashok Nagar,
Chennai - 600 083

Structural Consultant:

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