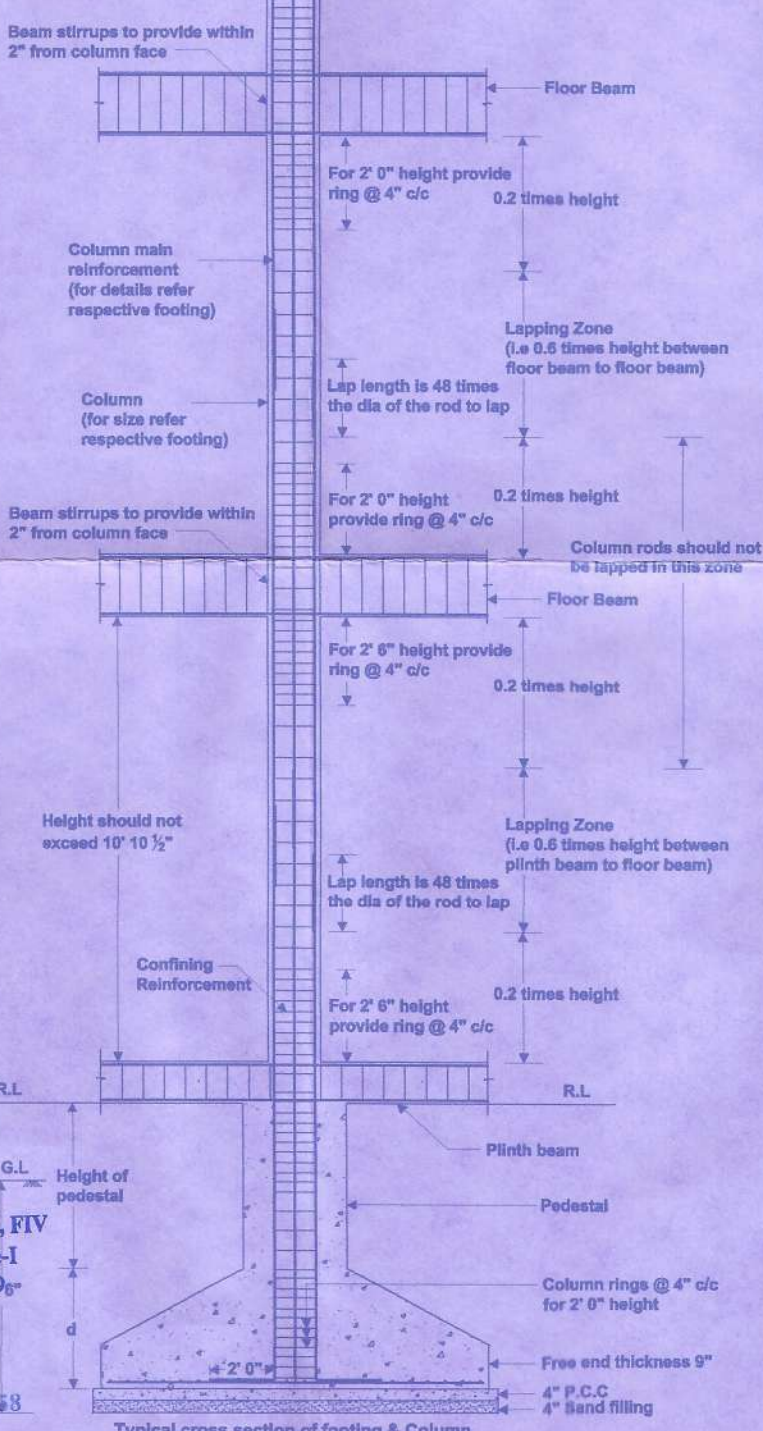
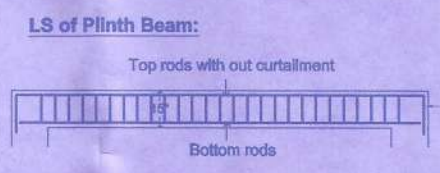
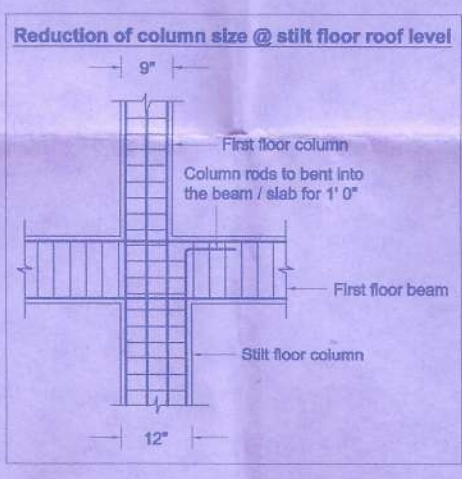




Orientation of Column Rods Details - A - Block:

Column no.	Column Size	Pedestal Size	Slab Floor	Fifth & Second floors	Third, Fourth & Fifth Floors	Maximum Spacing of Rings / Confining Rings
C21, C23 & C25	2' 6" x 1' 0"	2' 9" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C11 & C48	2' 6" x 1' 0"	2' 9" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C53	2' 6" x 1' 0"	2' 9" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C54 & C57	2' 3" x 1' 0"	2' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C22, C26, C31, C34, C38, C39, C42, C52 & C56	2' 3" x 1' 0"	2' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C1, C17, C19 & C49	2' 3" x 1' 0"	2' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C13, C20, C30 & C33	2' 3" x 1' 0"	2' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C12, C27, C32 & C35	2' 3" x 1' 0"	2' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C4 & C28	2' 0" x 1' 0"	2' 3" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C6	2' 0" x 1' 0"	2' 3" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C5, C7 & C43	2' 0" x 1' 0"	2' 3" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C3, C8, C40, C55 & C58	1' 9" x 1' 0"	2' 0" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C2	1' 9" x 1' 0"	2' 0" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C39	1' 9" x 1' 0"	2' 0" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C18	2' 3" x 9"	2' 6" x 1' 0"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C15	2' 0" x 9"	2' 0" x 9"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C46 & C47	1' 9" x 9"	1' 9" x 9"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C50 & C51	1' 9" x 9"	2' 0" x 1' 0"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C10, C44 & C45	1' 9" x 9"	1' 9" x 9"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C16	7' 3" x 1' 0" & 7' 3" x 9"	7' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C41	6' 3" x 1' 0" & 6' 3" x 9"	6' 6" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C24	4' 10 1/2" x 1' 0" & 4' 10 1/2" x 9"	5' 1 1/2" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C29	4' 10 1/2" x 1' 0" & 4' 10 1/2" x 9"	5' 1 1/2" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C37	2' 9" x 1' 0" & 2' 9" x 9"	3' 0" x 1' 3"				6-legged 8mm dia @ 6" c/c / 8mm dia @ 4" c/c
C9 & C14	2' 7 1/2" x 9"	2' 7 1/2" x 9"				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"				2-legged 8mm dia @ 6" c/c



Plinth Beam Details: (beam bottom @ road level) - B - block

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

Notes:

- Foundation and columns are designed for seismic load of slab + five floors as per IS 1893 (part-1) 2015
- Well laid considered is for light weight block with unit weight not to exceed 8.5kN/m³
- Cover & grade of concrete
- Grade of concrete
- Grade of steel to be used is Fe 500
- Lap length for column rods is 49 times dia of the bar
- Depth of foundation and SBC considered are as per Nagad Consultants (P) Ltd. soil report no. 10072A dated
- Plinth beam bottom level is to be @ the existing road level
- Designing is done based on the details shown in drawing dated 04.12.2023
- Use possible water for construction activities including curing
- Column rods lapping should be done only @ mid height between floors
- Do not provide pedestal for columns C9, C10, C14, C15, C44, C45, C46 & C47

Project Title: Proposed Residential Apartment Building Next F&B @ S.No: 25/2A1, Lahandi Nagar Layout Road, Venehrapuram, Kundrathur, Chennai - 600 046

Drawing Title: Foundation, Column And Plinth Beam Details

Scale: N.T.S Date: 25.12.2023

Projector: N. Kanagavel M.E., M.B.A., MIE, FIV Registered Structural Engineer Grade-I CMDA Reg.No. SE/GR/19/030499 GCC Reg.No. RSI/100022019 CA-12, Tarangini Complex, Ambattur Industrial Estate, Chennai - 600 058

Structural Consultant: N. Kanagavel M.E., M.B.A., MIE, FIV CA-12, Tarangini Complex, Ambattur Industrial Estate, Chennai - 600 058