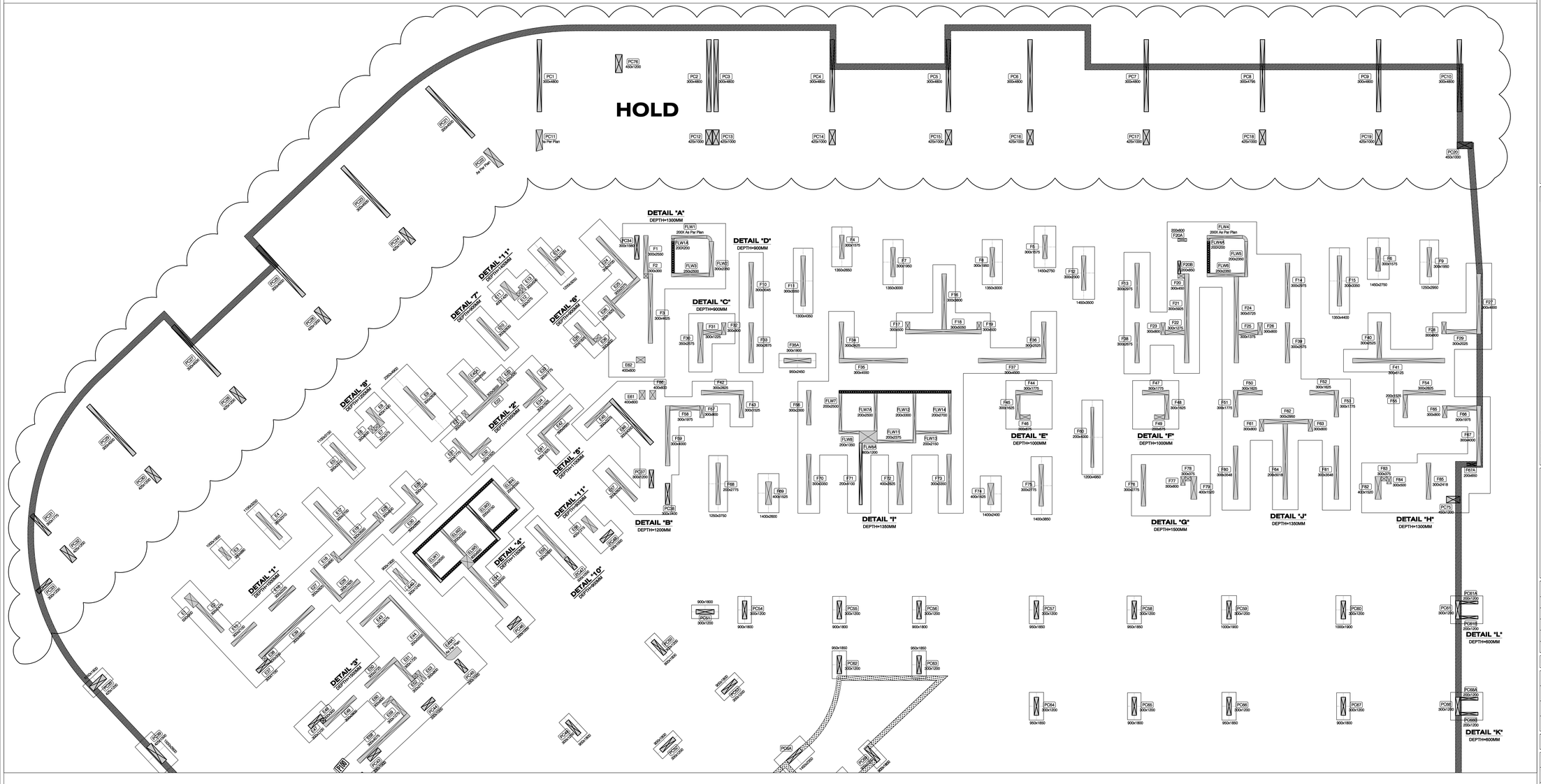



## INDEX PLAN FOR RCC COLUMN FOOTING

SCALE 1:100

200 mm NON STRUCTURAL wall

## NOTES:

1. Basic reference code:- IS 456: 2000
2. Due care shall be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering. It shall comply with provisions of Clause No. 11.3 of IS 456: 2000.
3. Nominal covers

| | | Mild | Moderate | Severe |
|---|---|---|---|---|
| I | Footings | 50 | 50 | 50 |
| II | Columns & walls >200mm width (to links of column) | 40 | 40 | 45 |
| III | Columns & walls with width of 200mm & below having reinf. of dia. 16mm & above. (to links of column) | 40 | 40 | 45 |
| IV | Columns & walls with width of 200mm & below having reinf. of dia. 12mm. (to links of column) | 25 | 30 | 45 |
| V | Slabs | 20 | 30 | 45 |
| VI | Beams (to stirrups of beam) | 20 | 30 | 45 |
| VII | Lift walls | 40 | 40 | 45 |

*For main reinf. up to 12mm dia. bar for mild exposure the nominal cover may be reduced by 5mm for slabs & beams only.*

4. Beams with depth more than 750mm, provide side-face reinforcement.
5. Substratum shall be approved from our office before laying P.C.C.
6. Minimum clear spacing between any two longitudinal bars in beam= 50mm.
7. All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.

| GRADE OF REINF. | M20 | M25 | M30 | M35 | M40 & ABOVE |
|---|---|---|---|---|---|
| Fe415 | 48 X D | 41 X D | 38 X D | 34 X D | 30 X D |
| Fe500 (TMT) | 57 X D | 49 X D | 46 X D | 40 X D | 36 X D |

For bundled bars, Ld shall be increased by 10% for 2 bars in contact, 20% for 3 bars in contact and 33% for 4 bars in contact.

8. All buildings shall have tie beams/plinth beams at ground/plinth level.
9. If footings overlap with each other, necessary revision shall be obtained from our office.
10. Design is valid for number of floors as indicated in the drawing.
11. At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
12. For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.
13. Fire rating considered:- 2 Hour max.


Use of this drawing for construction shall explicitly confirm acceptance of following conditions by Owner / Builder / Contractor

1. Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
   a) Safety of old structure during demolition.
   b) Safety of any adjoining building (persons staying in adjoining building/persons and properties on adjoining roads.
   c) Safety of construction workers/any personnel at work site during construction
   d) Correctness/safety of any temporary structure, scaffolding, shuttering, centering erected at site and any injury to any personnel arising out of any accidents.
   e) Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction procedure.
   f) Any accident occurring due to construction of elements of buildings not designed by us.
2. Supervision if specifically asked for will be provided to the extent of verification of reinforcement on site but responsibility regarding correct & sound construction shall solely rest with contractor/ builder / owner.
3. All structural concrete should be weigh batched, machine mixed and mechanically vibrated.
4. Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.
5. This drawing is property of JW CONSULTANTS LLP and shall not be reproduced or used without explicit permission of this office.


| NO. | REV. DATE | DESCRIPTION | NO. | REV. DATE | DESCRIPTION |
|---|---|---|---|---|---|
| R0 | 04.02.2023 | . | R5 | . | . |
| R1 | . | . | R6 | . | . |
| R2 | . | . | R7 | . | . |
| R3 | . | . | R8 | . | . |
| R4 | . | . | R9 | . | . |

DRAWING IS VALID FOR CONSTRUCTION, PROVIDED IT IS SIGNED & STAMPED BY OUR OFFICE

| | |
|---|---|
| GRADE OF CONCRETE:- | M40 |
| GRADE OF STEEL:- | Fe - 550D (12mm Above) Fe - 500 (8mm & 10mm) |
| ENVIRONMENTAL EXPOSURE CONDITION:- | SEVERE |
| S.B.C. :- | 300 T/sq.m. |

| CHECKED BY | DEALT BY | DRAWN BY | DRG. NO. | BLDG. | JOB NO. |
|---|---|---|---|---|---|
| R A W | S.G. | Sumeet | 101060-111 | HORIZONTAL | 10:1060 |

DEVELOPER:- LODHA DEVELOPER

ARCHITECT:- KAPADIA ASSOCIATES

PROJECT:- ACME,LODHA

TITLE:- INDEX PLAN FOR RCC COLUMN FOOTING


LLP IDENTITY NO.: AAA-2650
PARTNERSHIP WITH LIMITED LIABILITY

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